M13 Phage, His and GST Antibodies

Useful analytical tools for phage display systems and fusion protein expression

Anti-g3p (pIII) Antibody

Features

- ✔ antibody to phage M13 coat protein g3p (pIII)
- ✔ clone: 10C3
- ✔ monoclonal mouse IgG

The anti-g3p antibody is a useful analytical tool for current phage display systems using the g3-protein of M13 for display of recombinant proteins such as antibodies, protein- or peptide-libraries and more. (See also our pSKAN Phagemid Display System on page 28).

Applications

The antibody can be used in Western blots in order to analyze:

- correct reading-frame fusions of g3p-fusion proteins
- expression levels of g3p-fusion proteins in E. coli and on the tip of the phage
- ratios of displayed g3p-proteins and g3p-fusion proteins on the phage-capsid
- M13-infected E. coli strains

The epitope is also recognized under non-denaturing conditions. Therefore, the antibody can be used for:

- ELISA detection of g3p-fusion proteins
- purification of g3p-fusion proteins by affinity chromatography
- efficient and rapid analysis of antigen binding characteristics of recombinant antibodies selected by phage display (microplate assay)[2]

The Epitope

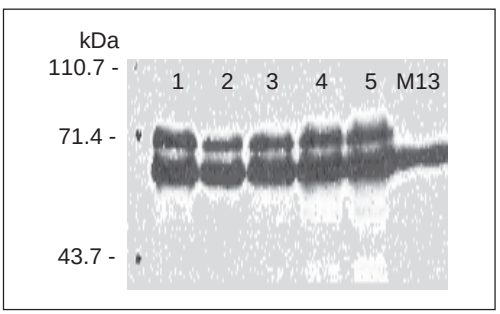
The antigenic epitope of the anti-g3p antibody resides within amino acids 292 to 302 (ATDYGAAIDGF) of the mature g3-protein and is therefore compatible with most of the phagemid vectors using different N-terminal deletions of the g3-protein.

Anti-hPSTI Antibody

Features

- ✔ antibody to human pancreatic secretory trypsin inhibitor domain (hPSTI)
- ✔ recognizes native hPSTI (soluble as well as hPSTI in the pSKAN phagemid pIII-hPSTI fusion protein)
- ✔ monoclonal mouse IgG

The anti-hPSTI antibody was specifically developed for our pSKAN Phagemid Display System (see page 28), but can also be useful in other applications related to the human pancreatic secretory trypsin inhibitor (hPSTI).



PAGE of pSKAN phages presenting different hPSTI-pIII fusion proteins followed by Western blot with anti-pIII (lane 1-5); M13K07 wild type phage as control (lane M13). Two bands are visible with pSKAN phages: one for pIII and one for the larger hybrid protein hPSTI-pIII. In M13 wild type phages only one band is detected resulting from pIII.

References

1. M. Tesar et al., Immunotechnology 1 (1995) 53-64
2. M. Mersmann et al., J. Immunol. Meth. 220 (1998) 51-58

Anti-His and Anti-GST Antibodies

Features

- ✔ optimally suited for monitoring expression of His-tagged and GST-tagged fusion proteins
- ✔ useful for immunoaffinity purification of fusion proteins possessing a $(His)_6$ or GST tag
- ✔ source: rabbit, polyclonal
- ✔ markedly increased sensitivity for $(His)_6$ and GST tags

Vectors for expression of fusion proteins possessing a $(His)_6$ tag or glutathione-S-transferase (GST) tag are commonly used for simple immunoaffinity purification of recombinant proteins produced in E. coli (e.g. by metal-chelate affinity chromatography).
The MoBiTec anti-poly(His)-Tag and anti-GST-Tag antibodies are very useful in monitoring $(His)_6$-Tag and GST-Tag fusion protein expression and purification and show a markedly increased sensitivity for $(His)_6$ and GST tags compared with other commercially available anti-His-Tag or anti-GST-Tag antibodies.

Order Information, Shipping & Storage

order #	description	amount
PSKAN2	anti-hPSTI antibody	100 µl
PSKAN3	anti-pIII (g3p) antibody	100 µl
HIST01	anti-$(His)_6$-Tag antibody	100 µl
GSTT01	anti-GST-Tag antibody	100 µl

shipped on blue ice; store at -20°C

Cytokines & Growth Factors

Recombinantly produced - available from microgram to gram quantities

Order No.	Product description	Amount
CTK-200-1PS	Recombinant Human Vacular Endothelial Growth Factor-121-Sf9	2 µg
CTK-200-2PS	Recombinant Human Vacular Endothelial Growth Factor-121-Sf9	10 µg
CTK-200-3PS	Recombinant Human Vacular Endothelial Growth Factor-121-Sf9	1 mg
CTK-201-1PS	Recombinant Human Erythropoietin-alpha	500 IU
CTK-201-2PS	Recombinant Human Erythropoietin-alpha	5000 IU
CTK-201-3PS	Recombinant Human Erythropoietin-alpha	1 mg
CTK-202-1PS	Recombinant Human Growth Hormone	100 µg
CTK-202-2PS	Recombinant Human Growth Hormone	500 µg
CTK-202-3PS	Recombinant Human Growth Hormone	1 mg
CTK-203-1PS	Recombinant Human Interleukin-1 receptor antagonist	10 µg
CTK-203-2PS	Recombinant Human Interleukin-1 receptor antagonist	50 µg
CTK-203-3PS	Recombinant Human Interleukin-1 receptor antagonist	1 mg
CTK-204-1PS	Recombinant Human Interferon-alpha 2a	20 µg
CTK-204-2PS	Recombinant Human Interferon-alpha 2a	100 µg
CTK-204-3PS	Recombinant Human Interferon-alpha 2a	1 mg
CTK-205-1PS	Recombinant Human Interferon-alpha 2b	20 µg
CTK-205-2PS	Recombinant Human Interferon-alpha 2b	100 µg
CTK-205-3PS	Recombinant Human Interferon-alpha 2b	1 mg
CTK-206-1PS	Recombinant Human Interferon-gamma	20 µg
CTK-206-2PS	Recombinant Human Interferon-gamma	100 µg
CTK-206-3PS	Recombinant Human Interferon-gamma	1 mg
CTK-207-1PS	Recombinant Human Brain-Derived Neurotrophic Factor	2 µg
CTK-207-2PS	Recombinant Human Brain-Derived Neurotrophic Factor	10 µg
CTK-207-3PS	Recombinant Human Brain-Derived Neurotrophic Factor	1 mg
CTK-208-1PS	Recombinant Human Interleukin-1 beta	2 µg
CTK-208-2PS	Recombinant Human Interleukin-1 beta	10 µg
CTK-208-3PS	Recombinant Human Interleukin-1 beta	1 mg
CTK-209-1PS	Recombinant Human Interleukin-2	10 µg
CTK-209-2PS	Recombinant Human Interleukin-2	50 µg
CTK-209-3PS	Recombinant Human Interleukin-2	1 mg
CTK-210-1PS	Recombinant Human Interleukin-3	2 µg
CTK-210-2PS	Recombinant Human Interleukin-3	10 µg
CTK-210-3PS	Recombinant Human Interleukin-3	1 mg
CTK-211-1PS	Recombinant Human Interleukin-4	2 µg
CTK-211-2PS	Recombinant Human Interleukin-4	10 µg
CTK-211-3PS	Recombinant Human Interleukin-4	1 mg
CTK-212-1PS	Recombinant Human Interleukin-5	2 µg
CTK-212-2PS	Recombinant Human Interleukin-5	10 µg
CTK-212-3PS	Recombinant Human Interleukin-5	1 mg
CTK-213-1PS	Recombinant Human Interleukin-6	5 µg
CTK-213-2PS	Recombinant Human Interleukin-6	20 µg
CTK-213-3PS	Recombinant Human Interleukin-6	1 mg
CTK-214-1PS	Recombinant Human Interleukin-11	2 µg
CTK-214-2PS	Recombinant Human Interleukin-11	10 µg
CTK-214-3PS	Recombinant Human Interleukin-11	1 mg

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Order No.	Product description	Amount
CTK-216-1PS	Recombinant Human Insulin Like Growth Factor-I	20 µg
CTK-216-2PS	Recombinant Human Insulin Like Growth Factor-I	100 µg
CTK-216-3PS	Recombinant Human Insulin Like Growth Factor-I	1 mg
CTK-217-1PS	Recombinant Human Epidermal Growth Factor	100 µg
CTK-217-2PS	Recombinant Human Epidermal Growth Factor	500 µg
CTK-217-3PS	Recombinant Human Epidermal Growth Factor	1 mg
CTK-218-1PS	Recombinant Human Fibroblast Growth Factor-basic	10 µg
CTK-218-2PS	Recombinant Human Fibroblast Growth Factor-basic	50 µg
CTK-218-3PS	Recombinant Human Fibroblast Growth Factor-basic	1 mg
CTK-219-1PS	Recombinant Human Keratinocye Growth Factor	2 µg
CTK-219-2PS	Recombinant Human Keratinocye Growth Factor	10 µg
CTK-219-3PS	Recombinant Human Keratinocye Growth Factor	1 mg
CTK-220-1PS	Recombinant Human Granulocyte-Colony Stimulating Factor	2 µg
CTK-220-2PS	Recombinant Human Granulocyte-Colony Stimulating Factor	10 µg
CTK-220-3PS	Recombinant Human Granulocyte-Colony Stimulating Factor	1 mg
CTK-221-1PS	Recombinant Human Granulocyte Macrophage-Colony Stimulating Factor	2 µg
CTK-221-2PS	Recombinant Human Granulocyte Macrophage-Colony Stimulating Factor	10 µg
CTK-221-3PS	Recombinant Human Granulocyte Macrophage-Colony Stimulating Factor	1 mg
CTK-222-1PS	Recombinant Murine Granulocyte Macrophage-Colony Stimulating Factor	2 µg
CTK-222-2PS	Recombinant Murine Granulocyte Macrophage-Colony Stimulating Factor	10 µg
CTK-222-3PS	Recombinant Murine Granulocyte Macrophage-Colony Stimulating Factor	1 mg
CTK-223-1PS	Recombinant Human Tumor Necrosis Factor-alpha	10 µg
CTK-223-2PS	Recombinant Human Tumor Necrosis Factor-alpha	50 µg
CTK-223-3PS	Recombinant Human Tumor Necrosis Factor-alpha	1 mg
CTK-224-1PS	Recombinant Human Tumor Necrosis Factor-beta	5 µg
CTK-224-2PS	Recombinant Human Tumor Necrosis Factor-beta	20 µg
CTK-224-3PS	Recombinant Human Tumor Necrosis Factor-beta	1 mg
CTK-225-1PS	Recombinant Human Vacular Endothelial Growth Factor-165-Sf9	2 µg
CTK-225-2PS	Recombinant Human Vacular Endothelial Growth Factor-165-Sf9	10 µg
CTK-225-3PS	Recombinant Human Vacular Endothelial Growth Factor-165-Sf9	1 mg
CTK-226-1PS	Recombinant Mouse Vacular Endothelial Growth Factor-Sf9	2 µg
CTK-226-2PS	Recombinant Mouse Vacular Endothelial Growth Factor-Sf9	10 µg
CTK-226-3PS	Recombinant Mouse Vacular Endothelial Growth Factor-Sf9	1 mg
CTK-227-1PS	Recombinant Rat Leptin	200 µg
CTK-227-2PS	Recombinant Rat Leptin	1 mg
CTK-227-3PS	Recombinant Rat Leptin	5 mg
CTK-228-1PS	Recombinant Human Leptin	200 µg
CTK-228-2PS	Recombinant Human Leptin	1 mg
CTK-228-3PS	Recombinant Human Leptin	5 mg
CTK-229-1PS	Recombinant Murine Insulin Like Growth Factor-I	10 µg
CTK-229-2PS	Recombinant Murine Insulin Like Growth Factor-I	50 µg
CTK-229-3PS	Recombinant Murine Insulin Like Growth Factor-I	1 mg
CTK-230-1PS	Recombinant Human Interleukin-15	2 µg
CTK-230-2PS	Recombinant Human Interleukin-15	10 µg
CTK-230-3PS	Recombinant Human Interleukin-15	1 mg
CTK-231-1PS	Recombinant Human Oncostatin-M	2 µg
CTK-231-2PS	Recombinant Human Oncostatin-M	10 µg
CTK-231-3PS	Recombinant Human Oncostatin-M	1 mg
CTK-232-1PS	Recombinant Human Follistatin	2 µg
CTK-232-2PS	Recombinant Human Follistatin	10 µg
CTK-232-3PS	Recombinant Human Follistatin	1 mg

Order No.	Product description	Amount
CTK-234-1PS	Recombinant Human Interferon-beta 1b	2 µg
CTK-234-2PS	Recombinant Human Interferon-beta 1b	10 µg
CTK-234-3PS	Recombinant Human Interferon-beta 1b	1 mg
CTK-235-1PS	Recombinant Human Placental Growth Hormone	100 µg
CTK-235-2PS	Recombinant Human Placental Growth Hormone	200 µg
CTK-235-3PS	Recombinant Human Placental Growth Hormone	1 mg
CTK-236-1PS	Recombinant Human Interferon-beta 1a	2 µg
CTK-236-2PS	Recombinant Human Interferon-beta 1a	10 µg
CTK-236-3PS	Recombinant Human Interferon-beta 1a	1 mg
CTK-237-1PS	Recombinant Ovine Growth Hormone	100 µg
CTK-237-2PS	Recombinant Ovine Growth Hormone	200 µg
CTK-237-3PS	Recombinant Ovine Growth Hormone	1 mg
CTK-238-1PS	Recombinant Human Growth Hormone Binding Protein	100 µg
CTK-238-2PS	Recombinant Human Growth Hormone Binding Protein	200 µg
CTK-238-3PS	Recombinant Human Growth Hormone Binding Protein	10 mg
CTK-239-1PS	Recombinant Ovine Leptin	200 µg
CTK-239-2PS	Recombinant Ovine Leptin	1 mg
CTK-239-3PS	Recombinant Ovine Leptin	5 mg
CTK-240-1PS	Recombinant Ovine Prolactin	200 µg
CTK-240-2PS	Recombinant Ovine Prolactin	1 mg
CTK-240-3PS	Recombinant Ovine Prolactin	5 mg
CTK-241-1PS	Recombinant Human Vacular Endothelial Growth Factor	2 µg
CTK-241-2PS	Recombinant Human Vacular Endothelial Growth Factor	10 µg
CTK-241-3PS	Recombinant Human Vacular Endothelial Growth Factor	1 mg
CTK-242-1PS	Recombinant Human Platelet Derived Growth Factor-BB	2 µg
CTK-242-2PS	Recombinant Human Platelet Derived Growth Factor-BB	10 µg
CTK-242-3PS	Recombinant Human Platelet Derived Growth Factor-BB	1 mg
CTK-243-1PS	Human LeukinFeron	10000 IU
CTK-243-2PS	Human LeukinFeron	20000 IU
CTK-243-3PS	Human LeukinFeron	100.000 IU
CTK-244-1PS	Recombinant Human Hepatocyte Growth Factor	2 µg
CTK-244-2PS	Recombinant Human Hepatocyte Growth Factor	10 µg
CTK-244-3PS	Recombinant Human Hepatocyte Growth Factor	1 mg
CTK-245-1PS	Recombinant Human soluble CD40 Ligand/TRAP	10 µg
CTK-245-2PS	Recombinant Human soluble CD40 Ligand/TRAP	50 µg
CTK-245-3PS	Recombinant Human soluble CD40 Ligand/TRAP	1 mg
CTK-246-1PS	Recombinant Human beta- Nerve Growth Factor	5 µg
CTK-246-2PS	Recombinant Human beta- Nerve Growth Factor	20 µg
CTK-246-3PS	Recombinant Human beta- Nerve Growth Factor	1 mg
CTK-252-1PS	Recombinant Murine Tumor Necrosis Factor-alpha	5 µg
CTK-252-2PS	Recombinant Murine Tumor Necrosis Factor-alpha	20 µg
CTK-252-3PS	Recombinant Murine Tumor Necrosis Factor-alpha	1 mg
CTK-253-1PS	Recombinant Human Interleukin-1 alpha	2 µg
CTK-253-2PS	Recombinant Human Interleukin-1 alpha	10 µg
CTK-253-3PS	Recombinant Human Interleukin-1 alpha	1 mg
CTK-254-1PS	Recombinant Human Interleukin-7	2 µg
CTK-254-2PS	Recombinant Human Interleukin-7	10 µg
CTK-254-3PS	Recombinant Human Interleukin-7	1 mg
CTK-255-1PS	Recombinant Human Stem Cell Factor	2 µg
CTK-255-2PS	Recombinant Human Stem Cell Factor	10 µg
CTK-255-3PS	Recombinant Human Stem Cell Factor	1 mg

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Order No.	Product description	Amount
CTK-257-1PS	Recombinant Human Neurotrophin-3	2 µg
CTK-257-2PS	Recombinant Human Neurotrophin-3	10 µg
CTK-257-3PS	Recombinant Human Neurotrophin-3	1 mg
CTK-259-1PS	Recombinant Human Pituitary Growth Hormone-20K	100 µg
CTK-259-2PS	Recombinant Human Pituitary Growth Hormone-20K	200 µg
CTK-259-3PS	Recombinant Human Pituitary Growth Hormone-20K	1 mg
CTK-261-1PS	Recombinant Human Bone Morphogenetic protein-2	2 µg
CTK-261-2PS	Recombinant Human Bone Morphogenetic protein-2	10 µg
CTK-261-3PS	Recombinant Human Bone Morphogenetic protein-2	1 mg
CTK-262-1PS	Recombinant Rat Vacular Endothelial Growth Factor Related Protein	2 µg
CTK-262-2PS	Recombinant Rat Vacular Endothelial Growth Factor Related Protein	10 µg
CTK-262-3PS	Recombinant Rat Vacular Endothelial Growth Factor Related Protein	1 mg
CTK-263-1PS	Recombinant Vacular Endothelial Growth Factor-E (Orf Virus)	2 µg
CTK-263-2PS	Recombinant Vacular Endothelial Growth Factor-E (Orf Virus)	10 µg
CTK-263-3PS	Recombinant Vacular Endothelial Growth Factor-E (Orf Virus)	1 mg
CTK-264-1PS	Recombinant Human Fibroblast Growth Factor-acidic	10 µg
CTK-264-2PS	Recombinant Human Fibroblast Growth Factor-acidic	50 µg
CTK-264-3PS	Recombinant Human Fibroblast Growth Factor-acidic	1 mg
CTK-265-1PS	Recombinant Human Insulin Like Growth Factor-II	10 µg
CTK-265-2PS	Recombinant Human Insulin Like Growth Factor-II	50 µg
CTK-265-3PS	Recombinant Human Insulin Like Growth Factor-II	1 mg
CTK-267-1PS	Recombinant Human Prolactin	10 µg
CTK-267-2PS	Recombinant Human Prolactin	50 µg
CTK-267-3PS	Recombinant Human Prolactin	1 mg
CTK-268-1PS	Recombinant Rabbit Prolactin receptor-ECD	100 µg
CTK-268-2PS	Recombinant Rabbit Prolactin receptor-ECD	500 µg
CTK-268-3PS	Recombinant Rabbit Prolactin receptor-ECD	1 mg
CTK-269-1PS	Recombinant Human Interleukin-18	5 µg
CTK-269-2PS	Recombinant Human Interleukin-18	25 µg
CTK-269-3PS	Recombinant Human Interleukin-18	1 mg
CTK-270-1PS	Recombinant Human Insulin	25 mg
CTK-270-2PS	Recombinant Human Insulin	250 mg
CTK-270-3PS	Recombinant Human Insulin	1 g
CTK-271-1PS	Recombinant Mouse Interleukin-18	5 µg
CTK-271-2PS	Recombinant Mouse Interleukin-18	25 µg
CTK-271-3PS	Recombinant Mouse Interleukin-18	1 mg
CTK-272-1PS	Recombinant Human Ciliary Neurotrophic Factor	5 µg
CTK-272-2PS	Recombinant Human Ciliary Neurotrophic Factor	20 µg
CTK-272-3PS	Recombinant Human Ciliary Neurotrophic Factor	1 mg
CTK-273-1PS	Recombinant Murine Interleukin-1 beta	2 µg
CTK-273-2PS	Recombinant Murine Interleukin-1 beta	10 µg
CTK-273-3PS	Recombinant Murine Interleukin-1 beta	1 mg
CTK-275-1PS	Recombinant Mouse Stem Cell Factor	2 µg
CTK-275-2PS	Recombinant Mouse Stem Cell Factor	10 µg
CTK-275-3PS	Recombinant Mouse Stem Cell Factor	1 mg
CTK-276-1PS	Recombinant Human Pegylated Granulocyte-Colony Stimulating Factor	2 µg
CTK-276-2PS	Recombinant Human Pegylated Granulocyte-Colony Stimulating Factor	10 µg
CTK-276-3PS	Recombinant Human Pegylated Granulocyte-Colony Stimulating Factor	1 mg
CTK-277-1PS	Recombinant Human Pegylated Interferon-alpha 2a	20 µg
CTK-277-2PS	Recombinant Human Pegylated Interferon-alpha 2a	100 µg
CTK-277-3PS	Recombinant Human Pegylated Interferon-alpha 2a	1 mg

Order No.	Product description	Amount
CTK-278-1PS	Recombinant Human Pegylated Interferon-alpha 2b	10 µg
CTK-278-2PS	Recombinant Human Pegylated Interferon-alpha 2b	50 µg
CTK-278-3PS	Recombinant Human Pegylated Interferon-alpha 2b	1 mg
CTK-282-1PS	Recombinant Murine Interleukin-4	2 µg
CTK-282-2PS	Recombinant Murine Interleukin-4	10 µg
CTK-282-3PS	Recombinant Murine Interleukin-4	1 mg
CTK-283-1PS	Recombinant Human Interferon-alpha 1b	20 µg
CTK-283-2PS	Recombinant Human Interferon-alpha 1b	100 µg
CTK-283-3PS	Recombinant Human Interferon-alpha 1b	1 mg
CTK-284-1PS	Recombinant Rat Vacular Endothelial Growth Factor-C 152 a.a	2 µg
CTK-284-2PS	Recombinant Rat Vacular Endothelial Growth Factor-C 152 a.a	10 µg
CTK-284-3PS	Recombinant Rat Vacular Endothelial Growth Factor-C 152 a.a	1 mg
CTK-288-1PS	Recombinant Bovine Fibroblast Growth Factor-basic	10 µg
CTK-288-2PS	Recombinant Bovine Fibroblast Growth Factor-basic	50 µg
CTK-288-3PS	Recombinant Bovine Fibroblast Growth Factor-basic	1 mg
CTK-289-1PS	Recombinant Rat Insulin Like Growth Factor-I	20 µg
CTK-289-2PS	Recombinant Rat Insulin Like Growth Factor-I	100 µg
CTK-289-3PS	Recombinant Rat Insulin Like Growth Factor-I	1 mg
CTK-290-1PS	Recombinant Chicken Insulin Like Growth Factor-I	20 µg
CTK-290-2PS	Recombinant Chicken Insulin Like Growth Factor-I	100 µg
CTK-290-3PS	Recombinant Chicken Insulin Like Growth Factor-I	1 mg
CTK-291-1PS	Recombinant Tuna Insulin Like Growth Factor-I	20 µg
CTK-291-2PS	Recombinant Tuna Insulin Like Growth Factor-I	100 µg
CTK-291-3PS	Recombinant Tuna Insulin Like Growth Factor-I	1 mg
CTK-292-1PS	Recombinant Barramundi Insulin Like Growth Factor-I	20 µg
CTK-292-2PS	Recombinant Barramundi Insulin Like Growth Factor-I	100 µg
CTK-292-3PS	Recombinant Barramundi Insulin Like Growth Factor-I	1 mg
CTK-293-1PS	Recombinant Salmon/Trout Insulin Like Growth Factor-I	20 µg
CTK-293-2PS	Recombinant Salmon/Trout Insulin Like Growth Factor-I	100 µg
CTK-293-3PS	Recombinant Salmon/Trout Insulin Like Growth Factor-I	1 mg
CTK-294-1PS	Recombinant Bream Insulin Like Growth Factor-I	20 µg
CTK-294-2PS	Recombinant Bream Insulin Like Growth Factor-I	100 µg
CTK-294-3PS	Recombinant Bream Insulin Like Growth Factor-I	1 mg
CTK-296-1PS	Recombinant Rat Growth Hormone	100 µg
CTK-296-2PS	Recombinant Rat Growth Hormone	500 µg
CTK-296-3PS	Recombinant Rat Growth Hormone	1 mg
CTK-297-1PS	Recombinant Bream Growth Hormone	20 µg
CTK-297-2PS	Recombinant Bream Growth Hormone	100 µg
CTK-297-3PS	Recombinant Bream Growth Hormone	1 mg
CTK-298-1PS	Recombinant Chicken Insulin Like Growth Factor-II	20 µg
CTK-298-2PS	Recombinant Chicken Insulin Like Growth Factor-II	100 µg
CTK-298-3PS	Recombinant Chicken Insulin Like Growth Factor-II	1 mg
CTK-299-1PS	Recombinant Human Insulin Like Growth Factor Binding Protein-1	5 µg
CTK-299-2PS	Recombinant Human Insulin Like Growth Factor Binding Protein-1	20 µg
CTK-299-3PS	Recombinant Human Insulin Like Growth Factor Binding Protein-1	1 mg
CTK-300-1PS	Recombinant Human Insulin Like Growth Factor Binding Protein-3	5 µg
CTK-300-2PS	Recombinant Human Insulin Like Growth Factor Binding Protein-3	25 µg
CTK-300-3PS	Recombinant Human Insulin Like Growth Factor Binding Protein-3	1 mg

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Order No.	Product description	Amount
CTK-301-1PS	Recombinant Bovine Insulin Like Growth Factor Binding Protein-2	5 µg
CTK-301-2PS	Recombinant Bovine Insulin Like Growth Factor Binding Protein-2	25 µg
CTK-301-3PS	Recombinant Bovine Insulin Like Growth Factor Binding Protein-2	1 mg
CTK-302-1PS	Recombinant Human Thrombopoietin	2 µg
CTK-302-2PS	Recombinant Human Thrombopoietin	10 µg
CTK-302-3PS	Recombinant Human Thrombopoietin	1 mg
CTK-303-1PS	Recombinant Human Keratinocye Growth Factor-2	5 µg
CTK-303-2PS	Recombinant Human Keratinocye Growth Factor-2	25 µg
CTK-303-3PS	Recombinant Human Keratinocye Growth Factor-2	1 mg
CTK-304-1PS	Recombinant Human Soluble CD4	50 µg
CTK-304-2PS	Recombinant Human Soluble CD4	100 µg
CTK-304-3PS	Recombinant Human Soluble CD4	1 mg
CTK-305-1PS	Recombinant Human Glial-Derived Neurotrophic Factor	2 µg
CTK-305-2PS	Recombinant Human Glial-Derived Neurotrophic Factor	10 µg
CTK-305-3PS	Recombinant Human Glial-Derived Neurotrophic Factor	1 mg
CTK-306-1PS	Recombinant Human Artemin	2 µg
CTK-306-2PS	Recombinant Human Artemin	10 µg
CTK-306-3PS	Recombinant Human Artemin	1 mg
CTK-307-1PS	Recombinant Human BAFF (BLyS)	5 µg
CTK-307-2PS	Recombinant Human BAFF (BLyS)	20 µg
CTK-307-3PS	Recombinant Human BAFF (BLyS)	1 mg
CTK-308-1PS	Recombinant Human Macrophage Colony Stimulating Factor	2 µg
CTK-308-2PS	Recombinant Human Macrophage Colony Stimulating Factor	10 µg
CTK-308-3PS	Recombinant Human Macrophage Colony Stimulating Factor	1 mg
CTK-309-1PS	Recombinant Human Soluble Tumor Necrosis Factor Receptor Inhibitor	10 µg
CTK-309-2PS	Recombinant Human Soluble Tumor Necrosis Factor Receptor Inhibitor	50 µg
CTK-309-3PS	Recombinant Human Soluble Tumor Necrosis Factor Receptor Inhibitor	1 mg
CTK-310-1PS	Recombinant Human Melanoma Inhibitory Activity Protein	1 µg
CTK-310-2PS	Recombinant Human Melanoma Inhibitory Activity Protein	5 µg
CTK-310-3PS	Recombinant Human Melanoma Inhibitory Activity Protein	1 mg
CTK-323-1PS	Recombinant Rat Stem Cell Factor	2 µg
CTK-323-2PS	Recombinant Rat Stem Cell Factor	10 µg
CTK-323-3PS	Recombinant Rat Stem Cell Factor	1 mg
CTK-327-1PS	Recombinant Human B-type Natriuretic Protein	2 µg
CTK-327-2PS	Recombinant Human B-type Natriuretic Protein	10 µg
CTK-327-3PS	Recombinant Human B-type Natriuretic Protein	1 mg
CTK-328-1PS	Recombinant Human Interleukin-22	2 µg
CTK-328-2PS	Recombinant Human Interleukin-22	10 µg
CTK-328-3PS	Recombinant Human Interleukin-22	1 mg
CTK-329-1PS	Recombinant Human Granulocyte-Colony Stimulating Factor, CHO derived	2 µg
CTK-329-2PS	Recombinant Human Granulocyte-Colony Stimulating Factor, CHO derived	10 µg
CTK-329-3PS	Recombinant Human Granulocyte-Colony Stimulating Factor, CHO derived	1 mg
CTK-330-1PS	Recombinant Human Erythropoietin-beta	500 IU
CTK-330-2PS	Recombinant Human Erythropoietin-beta	5000 IU
CTK-330-3PS	Recombinant Human Erythropoietin-beta	1 mg
CTK-331-1PS	Recombinant Human Flt3-Ligand	2 µg
CTK-331-2PS	Recombinant Human Flt3-Ligand	10 µg
CTK-331-3PS	Recombinant Human Flt3-Ligand	1 mg
CTK-332-1PS	Recombinant Human Epidermal Growth Factor-Pichia derived	10 µg
CTK-332-2PS	Recombinant Human Epidermal Growth Factor-Pichia derived	50 µg
CTK-332-3PS	Recombinant Human Epidermal Growth Factor-Pichia derived	1 mg

Order No.	Product description	Amount
CTK-333-1PS	Recombinant Human Bone Morphogenetic protein-7	2 µg
CTK-333-2PS	Recombinant Human Bone Morphogenetic protein-7	10 µg
CTK-333-3PS	Recombinant Human Bone Morphogenetic protein-7	1 mg
CTK-334-1PS	Recombinant Human Soluble RANK ligand	2 µg
CTK-334-2PS	Recombinant Human Soluble RANK ligand	10 µg
CTK-334-3PS	Recombinant Human Soluble RANK ligand	1 mg
CTK-335-1PS	Recombinant Human Interleukin-10	2 µg
CTK-335-2PS	Recombinant Human Interleukin-10	10 µg
CTK-335-3PS	Recombinant Human Interleukin-10	1 mg
CTK-336-1PS	Recombinant Mouse Vacular Endothelial Growth Factor	2 µg
CTK-336-2PS	Recombinant Mouse Vacular Endothelial Growth Factor	10 µg
CTK-336-3PS	Recombinant Mouse Vacular Endothelial Growth Factor	1 mg
CTK-337-1PS	Recombinant Human Placental Growth Hormone-20K	100 µg
CTK-337-2PS	Recombinant Human Placental Growth Hormone-20K	200 µg
CTK-337-3PS	Recombinant Human Placental Growth Hormone-20K	1 mg
CTK-338-1PS	Recombinant Human Endocrine Gland Vacular Endothelial Growth Factor	2 µg
CTK-338-2PS	Recombinant Human Endocrine Gland Vacular Endothelial Growth Factor	10 µg
CTK-338-3PS	Recombinant Human Endocrine Gland Vacular Endothelial Growth Factor	1 mg
CTK-339-1PS	Recombinant Bovine Vacular Endothelial Growth Factor	2 µg
CTK-339-2PS	Recombinant Bovine Vacular Endothelial Growth Factor	10 µg
CTK-339-3PS	Recombinant Bovine Vacular Endothelial Growth Factor	1 mg
CTK-340-1PS	Recombinant Murine Flt3-Ligand	2 µg
CTK-340-2PS	Recombinant Murine Flt3-Ligand	10 µg
CTK-340-3PS	Recombinant Murine Flt3-Ligand	1 mg
CTK-341-1PS	Recombinant Human Platelet Derived Growth Factor-AA	2 µg
CTK-341-2PS	Recombinant Human Platelet Derived Growth Factor-AA	10 µg
CTK-341-3PS	Recombinant Human Platelet Derived Growth Factor-AA	1 mg
CTK-342-1PS	Recombinant Human Platelet Derived Growth Factor-AB	2 µg
CTK-342-2PS	Recombinant Human Platelet Derived Growth Factor-AB	10 µg
CTK-342-3PS	Recombinant Human Platelet Derived Growth Factor-AB	1 mg
CTK-343-1PS	Recombinant Human Vacular Endothelial Growth Factor-121	2 µg
CTK-343-2PS	Recombinant Human Vacular Endothelial Growth Factor-121	10 µg
CTK-343-3PS	Recombinant Human Vacular Endothelial Growth Factor-121	1 mg
CTK-344-1PS	Recombinant Murine Interleukin-15	2 µg
CTK-344-2PS	Recombinant Murine Interleukin-15	10 µg
CTK-344-3PS	Recombinant Murine Interleukin-15	1 mg
CTK-345-1PS	Recombinant Rat Interleukin-15	2 µg
CTK-345-2PS	Recombinant Rat Interleukin-15	10 µg
CTK-345-3PS	Recombinant Rat Interleukin-15	1 mg
CTK-346-1PS	Recombinant Murine Thrombopoietin	2 µg
CTK-346-2PS	Recombinant Murine Thrombopoietin	10 µg
CTK-346-3PS	Recombinant Murine Thrombopoietin	1 mg
CTK-347-1PS	Recombinant Human Interleukin-20	2 µg
CTK-347-2PS	Recombinant Human Interleukin-20	10 µg
CTK-347-3PS	Recombinant Human Interleukin-20	1 mg
CTK-348-1PS	Recombinant Human Interleukin-9	2 µg
CTK-348-2PS	Recombinant Human Interleukin-9	10 µg
CTK-348-3PS	Recombinant Human Interleukin-9	1 mg
CTK-349-1PS	Recombinant Murine Fibroblast Growth Factor-9	2 µg
CTK-349-2PS	Recombinant Murine Fibroblast Growth Factor-9	10 µg
CTK-349-3PS	Recombinant Murine Fibroblast Growth Factor-9	1 mg

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Order No.	Product description	Amount
CTK-350-1PS	Recombinant Murine Interleukin-6	2 µg
CTK-350-2PS	Recombinant Murine Interleukin-6	10 µg
CTK-350-3PS	Recombinant Murine Interleukin-6	1 mg
CTK-351-1PS	Recombinant Murine Leptin	200 µg
CTK-351-2PS	Recombinant Murine Leptin	1 mg
CTK-351-3PS	Recombinant Murine Leptin	5 mg
CTK-352-1PS	Recombinant Human Leptin Triple Antagonist	20 µg
CTK-352-2PS	Recombinant Human Leptin Triple Antagonist	100 µg
CTK-352-3PS	Recombinant Human Leptin Triple Antagonist	1 mg
CTK-353-1PS	Recombinant Human Leptin Quadruple Antagonist	20 µg
CTK-353-2PS	Recombinant Human Leptin Quadruple Antagonist	100 µg
CTK-353-3PS	Recombinant Human Leptin Quadruple Antagonist	1 mg
CTK-354-1PS	Recombinant Murine Leptin Triple Antagonist	20 µg
CTK-354-2PS	Recombinant Murine Leptin Triple Antagonist	100 µg
CTK-354-3PS	Recombinant Murine Leptin Triple Antagonist	1 mg
CTK-355-1PS	Recombinant Rat Leptin Triple Antagonist	20 µg
CTK-355-2PS	Recombinant Rat Leptin Triple Antagonist	100 µg
CTK-355-3PS	Recombinant Rat Leptin Triple Antagonist	1 mg
CTK-356-1PS	Recombinant Ovine Leptin Triple Antagonist	20 µg
CTK-356-2PS	Recombinant Ovine Leptin Triple Antagonist	100 µg
CTK-356-3PS	Recombinant Ovine Leptin Triple Antagonist	1 mg
CTK-357-1PS	Recombinant Ovine Leptin Quadruple Antagonist	20 µg
CTK-357-2PS	Recombinant Ovine Leptin Quadruple Antagonist	100 µg
CTK-357-3PS	Recombinant Ovine Leptin Quadruple Antagonist	1 mg
CTK-358-1PS	Recombinant Murine Interferon-gamma	20 µg
CTK-358-2PS	Recombinant Murine Interferon-gamma	100 µg
CTK-358-3PS	Recombinant Murine Interferon-gamma	1 mg
CTK-359-1PS	Recombinant Rat Interferon-gamma	20 µg
CTK-359-2PS	Recombinant Rat Interferon-gamma	100 µg
CTK-359-3PS	Recombinant Rat Interferon-gamma	1 mg
CTK-360-1PS	Recombinant Human gm-csf/IL-3 Fusion Protein (PIXY321)	2 µg
CTK-360-2PS	Recombinant Human gm-csf/IL-3 Fusion Protein (PIXY321)	10 µg
CTK-360-3PS	Recombinant Human gm-csf/IL-3 Fusion Protein (PIXY321)	1 mg
CTK-361-1PS	Recombinant Human Bone Morphogenetic protein-4	2 µg
CTK-361-2PS	Recombinant Human Bone Morphogenetic protein-4	10 µg
CTK-361-3PS	Recombinant Human Bone Morphogenetic protein-4	1 mg
CTK-362-1PS	Recombinant Human Interleukin-12	2 µg
CTK-362-2PS	Recombinant Human Interleukin-12	10 µg
CTK-362-3PS	Recombinant Human Interleukin-12	1 mg
CTK-363-1PS	Recombinant Human Interleukin-19	2 µg
CTK-363-2PS	Recombinant Human Interleukin-19	10 µg
CTK-363-3PS	Recombinant Human Interleukin-19	1 mg
CTK-364-1PS	Recombinant Human Fibroblast Growth Factor-acidic-Sf9 Insect Cells derived	2 µg
CTK-364-2PS	Recombinant Human Fibroblast Growth Factor-acidic-Sf9 Insect Cells derived	10 µg
CTK-364-3PS	Recombinant Human Fibroblast Growth Factor-acidic-Sf9 Insect Cells derived	1 mg
CTK-365-1PS	Recombinant Human Fibroblast Growth Factor-basic-Sf9 Insect Cells derived	2 µg
CTK-365-2PS	Recombinant Human Fibroblast Growth Factor-basic-Sf9 Insect Cells derived	10 µg
CTK-365-3PS	Recombinant Human Fibroblast Growth Factor-basic-Sf9 Insect Cells derived	1 mg
CTK-366-1PS	Recombinant Human Cytotoxic T-Lymphocyte Associated Antigen-4/Fc Chimera	20 µg
CTK-366-2PS	Recombinant Human Cytotoxic T-Lymphocyte Associated Antigen-4/Fc Chimera	100 µg
CTK-366-3PS	Recombinant Human Cytotoxic T-Lymphocyte Associated Antigen-4/Fc Chimera	1 mg

Order No.	Product description	Amount
CTK-367-1PS	Recombinant Murine Interleukin-12	2 µg
CTK-367-2PS	Recombinant Murine Interleukin-12	10 µg
CTK-367-3PS	Recombinant Murine Interleukin-12	1 mg
CTK-368-1PS	Recombinant Human Transforming Growth Factor-Beta 3	1 µg
CTK-368-2PS	Recombinant Human Transforming Growth Factor-Beta 3	5 µg
CTK-368-3PS	Recombinant Human Transforming Growth Factor-Beta 3	250 µg
CTK-370-1PS	Recombinant Murine Interleukin-2	5 µg
CTK-370-2PS	Recombinant Murine Interleukin-2	20 µg
CTK-370-3PS	Recombinant Murine Interleukin-2	1 mg
CTK-371-1PS	Recombinant MurineInterleukin-3	2 µg
CTK-371-2PS	Recombinant MurineInterleukin-3	10 µg
CTK-371-3PS	Recombinant MurineInterleukin-3	1 mg
CTK-372-1PS	Recombinant Murine Interleukin-7	2 µg
CTK-372-2PS	Recombinant Murine Interleukin-7	10 µg
CTK-372-3PS	Recombinant Murine Interleukin-7	1 mg
CTK-373-1PS	Recombinant Murine Interleukin-9	2 µg
CTK-373-2PS	Recombinant Murine Interleukin-9	10 µg
CTK-373-3PS	Recombinant Murine Interleukin-9	1 mg
CTK-375-1PS	Recombinant Murine Interleukin-13	2 µg
CTK-375-2PS	Recombinant Murine Interleukin-13	10 µg
CTK-375-3PS	Recombinant Murine Interleukin-13	1 mg
CTK-376-1PS	Recombinant Rat Interleukin-18	5 µg
CTK-376-2PS	Recombinant Rat Interleukin-18	25 µg
CTK-376-3PS	Recombinant Rat Interleukin-18	1 mg
CTK-377-1PS	Recombinant Ovine Interferon-Tau	2 µg
CTK-377-2PS	Recombinant Ovine Interferon-Tau	10 µg
CTK-377-3PS	Recombinant Ovine Interferon-Tau	1 mg
CTK-378-1PS	Recombinant Mouse Interleukin-17	2 µg
CTK-378-2PS	Recombinant Mouse Interleukin-17	10 µg
CTK-378-3PS	Recombinant Mouse Interleukin-17	1 mg
CTK-379-1PS	Recombinant Mouse Interleukin-20	2 µg
CTK-379-2PS	Recombinant Mouse Interleukin-20	10 µg
CTK-379-3PS	Recombinant Mouse Interleukin-20	1 mg
CTK-381-1PS	Recombinant Rat Interleukin-1 alpha	2 µg
CTK-381-2PS	Recombinant Rat Interleukin-1 alpha	10 µg
CTK-381-3PS	Recombinant Rat Interleukin-1 alpha	1 mg
CTK-382-1PS	Recombinant Rat Interleukin-2	5 µg
CTK-382-2PS	Recombinant Rat Interleukin-2	20 µg
CTK-382-3PS	Recombinant Rat Interleukin-2	1 mg
CTK-383-1PS	Recombinant Rat Interleukin-3	2 µg
CTK-383-2PS	Recombinant Rat Interleukin-3	10 µg
CTK-383-3PS	Recombinant Rat Interleukin-3	1 mg
CTK-384-1PS	Recombinant Human Tumor Necrosis Factor-alpha Mutant/Variant	10 µg
CTK-384-2PS	Recombinant Human Tumor Necrosis Factor-alpha Mutant/Variant	50 µg
CTK-384-3PS	Recombinant Human Tumor Necrosis Factor-alpha Mutant/Variant	1 mg
CTK-385-1PS	Recombinant Rat Interleukin-4	2 µg
CTK-385-2PS	Recombinant Rat Interleukin-4	10 µg
CTK-385-3PS	Recombinant Rat Interleukin-4	1 mg
CTK-386-1PS	Recombinant Mouse Fibroblast Growth Factor-basic	2 µg
CTK-386-2PS	Recombinant Mouse Fibroblast Growth Factor-basic	10 µg
CTK-386-3PS	Recombinant Mouse Fibroblast Growth Factor-basic	1 mg

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Order No.	Product description	Amount
CTK-387-1PS	Recombinant Rat IL-5	2 µg
CTK-387-2PS	Recombinant Rat IL-5	10 µg
CTK-387-3PS	Recombinant Rat IL-5	1 mg
CTK-388-1PS	Recombinant Rat Interleukin-6	2 µg
CTK-388-2PS	Recombinant Rat Interleukin-6	10 µg
CTK-388-3PS	Recombinant Rat Interleukin-6	1 mg
CTK-392-1PS	Recombinant Rat Vacular Endothelial Growth Factor	2 µg
CTK-392-2PS	Recombinant Rat Vacular Endothelial Growth Factor	10 µg
CTK-392-3PS	Recombinant Rat Vacular Endothelial Growth Factor	1 mg
CTK-393-1PS	Recombinant Rat Tumor Necrosis Factor-alpha	5 µg
CTK-393-2PS	Recombinant Rat Tumor Necrosis Factor-alpha	20 µg
CTK-393-3PS	Recombinant Rat Tumor Necrosis Factor-alpha	1 mg
CTK-394-1PS	Recombinant Rat Interleukin-1 beta	2 µg
CTK-394-2PS	Recombinant Rat Interleukin-1 beta	10 µg
CTK-394-3PS	Recombinant Rat Interleukin-1 beta	1 mg
CTK-395-1PS	Recombinant Rat Granulocyte Macrophage-Colony Stimulating Factor	2 µg
CTK-395-2PS	Recombinant Rat Granulocyte Macrophage-Colony Stimulating Factor	10 µg
CTK-395-3PS	Recombinant Rat Granulocyte Macrophage-Colony Stimulating Factor	1 mg
CTK-396-1PS	Recombinant Porcine Interleukin-1 alpha	2 µg
CTK-396-2PS	Recombinant Porcine Interleukin-1 alpha	10 µg
CTK-396-3PS	Recombinant Porcine Interleukin-1 alpha	1 mg
CTK-397-1PS	Recombinant Porcine Interleukin-2	5 µg
CTK-397-2PS	Recombinant Porcine Interleukin-2	20 µg
CTK-397-3PS	Recombinant Porcine Interleukin-2	1 mg
CTK-398-1PS	Recombinant Porcine Interleukin-4	2 µg
CTK-398-2PS	Recombinant Porcine Interleukin-4	10 µg
CTK-398-3PS	Recombinant Porcine Interleukin-4	1 mg
CTK-399-1PS	Recombinant Porcine Interleukin-6	2 µg
CTK-399-2PS	Recombinant Porcine Interleukin-6	10 µg
CTK-399-3PS	Recombinant Porcine Interleukin-6	1 mg
CTK-400-1PS	Recombinant Porcine Interleukin-1 beta	2 µg
CTK-400-2PS	Recombinant Porcine Interleukin-1 beta	10 µg
CTK-400-3PS	Recombinant Porcine Interleukin-1 beta	1 mg
CTK-401-1PS	Recombinant Porcine Granulocyte Macrophage-Colony Stimulating Factor	2 µg
CTK-402-1PS	Recombinant Porcine Interferon-gamma	20 µg
CTK-402-2PS	Recombinant Porcine Interferon-gamma	100 µg
CTK-402-3PS	Recombinant Porcine Interferon-gamma	1 mg
CTK-403-1PS	Recombinant Porcine Interleukin-15	2 µg
CTK-403-2PS	Recombinant Porcine Interleukin-15	10 µg
CTK-403-3PS	Recombinant Porcine Interleukin-15	1 mg
CTK-404-1PS	Recombinant Porcine Interleukin-10	2 µg
CTK-404-2PS	Recombinant Porcine Interleukin-10	10 µg
CTK-404-3PS	Recombinant Porcine Interleukin-10	1 mg
CTK-405-1PS	Recombinant Porcine Tumor Necrosis Factor-alpha	5 µg
CTK-405-2PS	Recombinant Porcine Tumor Necrosis Factor-alpha	20 µg
CTK-405-3PS	Recombinant Porcine Tumor Necrosis Factor-alpha	1 mg
CTK-406-1PS	Recombinant Bovine Betacellulin	2 µg
CTK-406-2PS	Recombinant Bovine Betacellulin	10 µg
CTK-406-3PS	Recombinant Bovine Betacellulin	1 mg

Order No.	Product description	Amount
CTK-407-1PS	Recombinant Human Neuregulin-1/Heregulin-b1	10 µg
CTK-407-2PS	Recombinant Human Neuregulin-1/Heregulin-b1	50 µg
CTK-407-3PS	Recombinant Human Neuregulin-1/Heregulin-b1	1 mg
CTK-408-1PS	Recombinant Human Interleukin-21	2 µg
CTK-408-2PS	Recombinant Human Interleukin-21	10 µg
CTK-408-3PS	Recombinant Human Interleukin-21	1 mg
CTK-409-1PS	Recombinant Human Flt3-Ligand-Sf9 Insect Cells derived	2 µg
CTK-409-2PS	Recombinant Human Flt3-Ligand-Sf9 Insect Cells derived	10 µg
CTK-409-3PS	Recombinant Human Flt3-Ligand-Sf9 Insect Cells derived	1 mg
CTK-410-1PS	Recombinant Mouse Granulocyte-Colony Stimulating Factor	2 µg
CTK-410-2PS	Recombinant Mouse Granulocyte-Colony Stimulating Factor	10 µg
CTK-410-3PS	Recombinant Mouse Granulocyte-Colony Stimulating Factor	1 mg
CTK-411-1PS	Recombinant Mouse Interleukin-19	2 µg
CTK-411-2PS	Recombinant Mouse Interleukin-19	10 µg
CTK-411-3PS	Recombinant Mouse Interleukin-19	1 mg
CTK-412-1PS	Recombinant Mouse Platelet Derived Growth Factor-BB	2 µg
CTK-412-2PS	Recombinant Mouse Platelet Derived Growth Factor-BB	10 µg
CTK-412-3PS	Recombinant Mouse Platelet Derived Growth Factor-BB	1 mg
CTK-413-1PS	Recombinant Human Angiopoietin-1	2 µg
CTK-413-2PS	Recombinant Human Angiopoietin-1	10 µg
CTK-413-3PS	Recombinant Human Angiopoietin-1	1 mg
CTK-414-1PS	Recombinant Human Angiopoietin-2	2 µg
CTK-414-2PS	Recombinant Human Angiopoietin-2	10 µg
CTK-414-3PS	Recombinant Human Angiopoietin-2	1 mg
CTK-415-1PS	Recombinant Human Fibroblast Growth Factor-9	5 µg
CTK-415-2PS	Recombinant Human Fibroblast Growth Factor-9	20 µg
CTK-415-3PS	Recombinant Human Fibroblast Growth Factor-9	1 mg
CTK-416-1PS	Recombinant Human Granulocyte Macrophage-Colony Stimulating Factor-Sf9	2 µg
CTK-416-2PS	Recombinant Human Granulocyte Macrophage-Colony Stimulating Factor-Sf9	10 µg
CTK-416-3PS	Recombinant Human Granulocyte Macrophage-Colony Stimulating Factor-Sf9	1 mg
CTK-417-1PS	Recombinant Human Interleukin-3, Sf9 derived	2 µg
CTK-417-2PS	Recombinant Human Interleukin-3, Sf9 derived	10 µg
CTK-417-3PS	Recombinant Human Interleukin-3, Sf9 derived	1 mg
CTK-418-1PS	Recombinant Human Myostatin	2 µg
CTK-418-2PS	Recombinant Human Myostatin	10 µg
CTK-418-3PS	Recombinant Human Myostatin	1 mg
CTK-419-1PS	Recombinant Human Placenta Growth Factor-1	2 µg
CTK-419-2PS	Recombinant Human Placenta Growth Factor-1	10 µg
CTK-419-3PS	Recombinant Human Placenta Growth Factor-1	1 mg
CTK-420-1PS	Recombinant Human Placenta Growth Factor-2	2 µg
CTK-420-2PS	Recombinant Human Placenta Growth Factor-2	10 µg
CTK-420-3PS	Recombinant Human Placenta Growth Factor-2	1 mg
CTK-421-1PS	Recombinant Human Stem Cell Factor-Sf9 derived	2 µg
CTK-421-2PS	Recombinant Human Stem Cell Factor-Sf9 derived	10 µg
CTK-421-3PS	Recombinant Human Stem Cell Factor-Sf9 derived	1 mg
CTK-423-1PS	Recombinant Human Leukocyte Function-Associated Antigen-3 Fusion Protein	20 µg
CTK-423-2PS	Recombinant Human Leukocyte Function-Associated Antigen-3 Fusion Protein	100 µg
CTK-423-3PS	Recombinant Human Leukocyte Function-Associated Antigen-3 Fusion Protein	1 mg
CTK-424-1PS	Recombinant Human Insulin Detemir	25 mg
CTK-424-2PS	Recombinant Human Insulin Detemir	250 mg
CTK-424-3PS	Recombinant Human Insulin Detemir	1 g

Please visit our website for an updated list of available cytokines and growth factors!

Order No.	Product description	Amount
CTK-425-1PS	Recombinant Human Insulin Glargine	15 mg
CTK-425-2PS	Recombinant Human Insulin Glargine	50 mg
CTK-425-3PS	Recombinant Human Insulin Glargine	200 mg
CTK-426-1PS	Recombinant Human Pro- Nerve Growth Factor	2 µg
CTK-426-2PS	Recombinant Human Pro- Nerve Growth Factor	10 µg
CTK-426-3PS	Recombinant Human Pro- Nerve Growth Factor	100 µg
CTK-427-1PS	Recombinant Human Pro Bone Morphogenetic protein-2	2 µg
CTK-427-2PS	Recombinant Human Pro Bone Morphogenetic protein-2	10 µg
CTK-427-3PS	Recombinant Human Pro Bone Morphogenetic protein-2	100 µg
CTK-428-1PS	Recombinant Human Fibroblast Growth Factor-22	2 µg
CTK-428-2PS	Recombinant Human Fibroblast Growth Factor-22	10 µg
CTK-428-3PS	Recombinant Human Fibroblast Growth Factor-22	1 mg
CTK-429-1PS	Recombinant Human BAFF (BLyS) Receptor	2 µg
CTK-429-2PS	Recombinant Human BAFF (BLyS) Receptor	10 µg
CTK-429-3PS	Recombinant Human BAFF (BLyS) Receptor	1 mg
CTK-430-1PS	Recombinant Chicken Growth Hormone	100 µg
CTK-430-2PS	Recombinant Chicken Growth Hormone	500 µg
CTK-430-3PS	Recombinant Chicken Growth Hormone	1 mg
CTK-431-1PS	Recombinant Human Mesoderm Inducing Factor	5 µg
CTK-431-2PS	Recombinant Human Mesoderm Inducing Factor	25 µg
CTK-431-3PS	Recombinant Human Mesoderm Inducing Factor	1 mg
CTK-432-1PS	Recombinant Mouse Adiponectin	20 µg
CTK-432-2PS	Recombinant Mouse Adiponectin	100 µg
CTK-432-3PS	Recombinant Mouse Adiponectin	1 mg
CTK-433-1PS	Recombinant Human Adiponectin	10 µg
CTK-433-2PS	Recombinant Human Adiponectin	50 µg
CTK-433-3PS	Recombinant Human Adiponectin	1 mg
CTK-434-1PS	Recombinant Human Adiponectin glycosilated, HEK cell line	2 µg
CTK-434-2PS	Recombinant Human Adiponectin glycosilated, HEK cell line	10 µg
CTK-434-3PS	Recombinant Human Adiponectin glycosilated, HEK cell line	1 mg
CTK-435-1PS	Recombinant Mouse Adiponectin glycosilated, HEK cell line	2 µg
CTK-435-2PS	Recombinant Mouse Adiponectin glycosilated, HEK cell line	10 µg
CTK-435-3PS	Recombinant Mouse Adiponectin glycosilated, HEK cell line	1 mg
CTK-436-1PS	Recombinant Human Cardiotrophin-1	2 µg
CTK-436-2PS	Recombinant Human Cardiotrophin-1	10 µg
CTK-436-3PS	Recombinant Human Cardiotrophin-1	1 mg
CTK-437-1PS	Recombinant Rat Apoliprotein-J	2 µg
CTK-437-2PS	Recombinant Rat Apoliprotein-J	10 µg
CTK-437-3PS	Recombinant Rat Apoliprotein-J	1 mg
CTK-438-1PS	Recombinant Human Connective Tissue Growth Factor	2 µg
CTK-438-2PS	Recombinant Human Connective Tissue Growth Factor	10 µg
CTK-438-3PS	Recombinant Human Connective Tissue Growth Factor	1 mg
CTK-439-1PS	Recombinant Mouse Macrophage Colony Stimulating Factor	2 µg
CTK-439-2PS	Recombinant Mouse Macrophage Colony Stimulating Factor	10 µg
CTK-439-3PS	Recombinant Mouse Macrophage Colony Stimulating Factor	1 mg
CTK-440-1PS	Mouse beta- Nerve Growth Factor	5 µg
CTK-440-2PS	Mouse beta- Nerve Growth Factor	20 µg
CTK-440-3PS	Mouse beta- Nerve Growth Factor	1 mg
CTK-441-1PS	Recombinant Human Bone Morphogenetic protein-6	2 µg
CTK-441-2PS	Recombinant Human Bone Morphogenetic protein-6	10 µg
CTK-441-3PS	Recombinant Human Bone Morphogenetic protein-6	1 mg
CTK-442-1PS	Recombinant Human Growth and Differentiation factor 5	2 µg
CTK-442-2PS	Recombinant Human Growth and Differentiation factor 5	10 µg
CTK-442-3PS	Recombinant Human Growth and Differentiation factor 5	1 mg

Monoclonal Antibodies against Cytokines & Chemokines

Order No.	Product description	Amount
ANT-128-1PS	Mouse Anti Human Brain-Derived Neurotrophic Factor	500 µg
ANT-128-2PS	Mouse Anti Human Brain-Derived Neurotrophic Factor	1 mg
ANT-183-1PS	Mouse Anti Human Bone Morphogenetic protein-2	100 µg
ANT-183-2PS	Mouse Anti Human Bone Morphogenetic protein-2	250 µg
ANT-169-1PS	Mouse Anti Human EGF	500 µg
ANT-169-2PS	Mouse Anti Human EGF	1 mg
ANT-187-1PS	Mouse Anti Human Erythropoietin	50 µg
ANT-187-2PS	Mouse Anti Human Erythropoietin	150 µg
ANT-187-3PS	Mouse Anti Human Erythropoietin	500 µg
ANT-129-1PS	Mouse Anti Human Granulocyte Macrophage-Colony Stimulating Factor	500 µg
ANT-129-2PS	Mouse Anti Human Granulocyte Macrophage-Colony Stimulating Factor	1 mg
ANT-184-1PS	Mouse Anti Human Granulocyte Colony Stimulating Factor	500 µg
ANT-184-2PS	Mouse Anti Human Granulocyte Colony Stimulating Factor	1 mg
ANT-122-1PS	Mouse Anti Human Interferon-alpha	500 µg
ANT-122-2PS	Mouse Anti Human Interferon-alpha	1 mg
ANT-185-1PS	Mouse Anti Human Interferon-beta	500 µg
ANT-185-2PS	Mouse Anti Human Interferon-beta	1 mg
ANT-123-1PS	Mouse Anti Human Interferon-gamma	500 µg
ANT-123-2PS	Mouse Anti Human Interferon-gamma	1 mg
ANT-101-1PS	Mouse Anti Human Interleukin-1 beta	500 µg
ANT-101-2PS	Mouse Anti Human Interleukin-1 beta	1 mg
ANT-102-1PS	Mouse Anti Human Interleukin-2	500 µg
ANT-102-2PS	Mouse Anti Human Interleukin-2	1 mg
ANT-104-1PS	Mouse Anti Human Interleukin-2 receptor	500 µg
ANT-104-2PS	Mouse Anti Human Interleukin-2 receptor	1 mg
ANT-106-1PS	Mouse Anti Human Interleukin-3	500 µg
ANT-106-2PS	Mouse Anti Human Interleukin-3	1 mg
ANT-107-1PS	Mouse Anti Human Interleukin-4	500 µg
ANT-107-2PS	Mouse Anti Human Interleukin-4	1 mg
ANT-109-1PS	Mouse Anti Human Interleukin-6	500 µg
ANT-109-2PS	Mouse Anti Human Interleukin-6	1 mg
ANT-110-1PS	Mouse Anti Human Interleukin-7	500 µg
ANT-110-2PS	Mouse Anti Human Interleukin-7	1 mg
ANT-111-1PS	Mouse Anti Human Interleukin-8	500 µg
ANT-111-2PS	Mouse Anti Human Interleukin-8	1 mg
ANT-112-1PS	Mouse Anti Human Interleukin-10	500 µg
ANT-112-2PS	Mouse Anti Human Interleukin-10	1 mg
ANT-115-1PS	Mouse Anti Human Interleukin-15	500 µg
ANT-115-2PS	Mouse Anti Human Interleukin-15	1 mg
ANT-116-1PS	Mouse Anti Human Interleukin-18	500 µg
ANT-116-2PS	Mouse Anti Human Interleukin-18	1 mg
ANT-172-1PS	Mouse Anti Human Leptin	500 µg
ANT-172-2PS	Mouse Anti Human Leptin	1 mg

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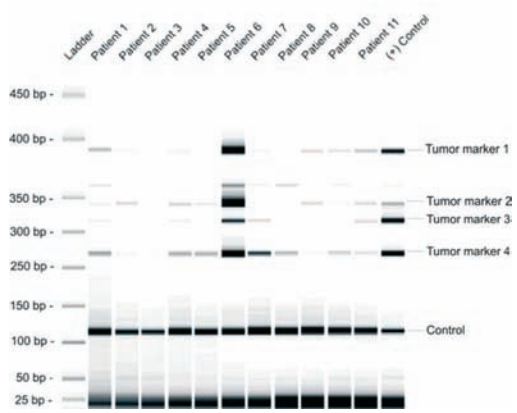
Order No.	Product description	Amount
ANT-117-1PS	Mouse Anti Human Neurotrophin-4	500 µg
ANT-117-2PS	Mouse Anti Human Neurotrophin-4	1 mg
ANT-124-1PS	Mouse Anti Human Tumor Necrosis Factor-alpha	500 µg
ANT-124-2PS	Mouse Anti Human Tumor Necrosis Factor-alpha	1 mg
ANT-125-1PS	Mouse Anti Human VEGF	500 µg
ANT-125-2PS	Mouse Anti Human VEGF	1 mg
ANT-168-1PS	Mouse Anti Human TGF-beta	500 µg
ANT-168-2PS	Mouse Anti Human TGF-beta	1 mg
ANT-126-1PS	Mouse Anti Human Eotaxin-1	500 µg
ANT-126-2PS	Mouse Anti Human Eotaxin-1	1 mg
ANT-127-1PS	Mouse Anti Human Eotaxin-2	500 µg
ANT-127-2PS	Mouse Anti Human Eotaxin-2	1 mg
ANT-119-1PS	Mouse Anti Human Macrophage/Monocyte Chemotactic & Activating Factor	500 µg
ANT-119-2PS	Mouse Anti Human Macrophage/Monocyte Chemotactic & Activating Factor	1 mg
ANT-120-1PS	Mouse Anti Human Macrophage/Monocyte Chemotactic Protein-3/MARC	500 µg
ANT-120-2PS	Mouse Anti Human Macrophage/Monocyte Chemotactic Protein-3/MARC	1 mg
ANT-118-1PS	Mouse Anti-Human Macrophage Inflammatory Protein-1a	500 µg
ANT-118-2PS	Mouse Anti-Human Macrophage Inflammatory Protein-1a	1 mg
ANT-121-1PS	Mouse Anti-Human Macrophage Inflammatory Protein-3	500 µg
ANT-121-2PS	Mouse Anti-Human Macrophage Inflammatory Protein-3	1 mg
ANT-170-1PS	Mouse Anti Human Neutrophil Activating Protein-2	500 µg
ANT-170-2PS	Mouse Anti Human Neutrophil Activating Protein-2	1 mg
ANT-144-1PS	Mouse Anti Human CD3	500 µg
ANT-144-2PS	Mouse Anti Human CD3	1 mg
ANT-137-1PS	Mouse Anti Human CD3-FITC	500 µg
ANT-137-2PS	Mouse Anti Human CD3-FITC	1 mg
ANT-138-1PS	Mouse Anti Human CD3-biotinylated	500 µg
ANT-138-2PS	Mouse Anti Human CD3-biotinylated	1 mg
ANT-145-1PS	Mouse Anti Human CD4	500 µg
ANT-145-2PS	Mouse Anti Human CD4	1 mg
ANT-132-1PS	Mouse Anti Human CD4-FITC	500 µg
ANT-132-2PS	Mouse Anti Human CD4-FITC	1 mg
ANT-167-1PS	Mouse Anti Human CD4-biotinylated	500 µg
ANT-167-2PS	Mouse Anti Human CD4-biotinylated	1 mg
ANT-171-1PS	Mouse Anti Human CD5	500 µg
ANT-171-2PS	Mouse Anti Human CD5	1 mg
ANT-148-1PS	Mouse Anti Human CD8	500 µg
ANT-148-2PS	Mouse Anti Human CD8	1 mg
ANT-131-1PS	Mouse Anti Human CD8-FITC	500 µg
ANT-131-2PS	Mouse Anti Human CD8-FITC	1 mg
ANT-134-1PS	Mouse Anti Human CD8-biotinylated	500 µg
ANT-134-2PS	Mouse Anti Human CD8-biotinylated	1 mg
ANT-105-1PS	Rat Anti Mouse Interleukin-2	500 µg
ANT-105-2PS	Rat Anti Mouse Interleukin-2	1 mg
ANT-103-1PS	Rat Anti Mouse Interleukin-2 receptor	500 µg
ANT-103-2PS	Rat Anti Mouse Interleukin-2 receptor	1 mg
ANT-108-1PS	Rat Anti Mouse Interleukin-4	500 µg
ANT-108-2PS	Rat Anti Mouse Interleukin-4	1 mg
ANT-113-1PS	Rat Anti Mouse Interleukin-10	500 µg
ANT-113-2PS	Rat Anti Mouse Interleukin-10	1 mg

Example breast cancer:

In a cross-sectional study, AdnaTest BreastCancer can clearly show its benefit in terms of clinical validity. Analysing 180 women at various times after surgery it has been demonstrated that the results of AdnaGen's test show an excellent accuracy compared to the clinical results. In the same time range, the serum tumor markers show a large number of false-positives as compared to the clinical status.
It can be further noted, that there are more positive results at initial diagnosis using AdnaTest which might indicate a worse prognosis in these patients.

The example below shows 11 breast cancer patients that already have clinically confirmed metastases. The expression of only one of the molecular markers indicates a positive finding of circulating tumor cells in the bloodstream. In all these metastatic cases we also found positive results. Only patient 3 did not show an expression of tumor markers, which was due to a high dose chemotherapy at this time.



For research use only; not for in vitro diagnostic!

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Order No.	Description	Amount
T1-504AD T1-512AD T1-514AD	**AdnaTest Colon Cancer Select** Test system for the selection of colon cancer cells from human blood samples (for research use only)	12 selections 24 selections 36 selections
T1-505AD T1-513AD T1-515AD	**AdnaTest Colon Cancer Detect** Test system for the molecular detection of colon cancer cells selected from human blood (for research use only)	12 detections 24 detections 36 detections
T1-508AD T1-516AD T1-518AD	**AdnaTest Breast Cancer Select** Test system for the selection of breast cancer cells from human blood samples (for research use only)	12 selections 24 selections 36 selections
T1-509AD T1-517AD T1-519AD	1**AdnaTest Breast Cancer Detect** Test system for the molecular detection of breast cancer cells selected from human blood (for research use only)	2 detections 24 detections 36 detections

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