

Rat IL-6 ELISA Kit | IL6 elisa kit

Rat IL-6 PicoKine ELISA Kit

CATALOG #
AAA11557

REACTIVITY
Rat

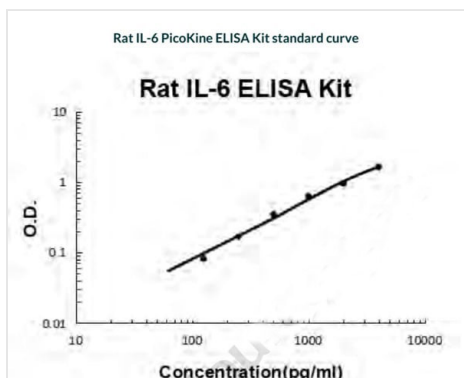
PRODUCT SYNONYMS

IL-6; Rat IL-6 PicoKine ELISA Kit; Interleukin-6; interleukin 6; B cell differentiation factor ; B cell stimulatory factor 2; B-cell stimulatory factor 2; BSF 2; BSF-2; BSF2; CDF; CTL differentiation factor; Cytotoxic T cell differentiation factor ; Hepatocyte stimulating fact; HGF; HPGF; HSF ; Hybridoma growth factor; Hybridoma plasmacytoma growth factor ; IFN-beta-2; IFNB2 ; IL 6; IL6; IL6 protein ; IL6_HUMAN; Interferon beta 2; Interferon beta-2; Interleukin 6; Interleukin 6 (interferon beta 2) ; Interleukin BSF 2; Interleukin6; IL6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant Rat IL6
Sequence Length	211
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA, citrate).
Detection Range	62.5 pg/ml - 4,000 pg/ml
Sensitivity	<5 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL6 elisa kit	Background: Interleukin-6 (IL-6) is a protein that in humans is encoded by the IL6 gene. Interleukin-6 (IL-6) is involved not only in the hepatic acute phase response but also in adipose tissue metabolism, lipoprotein lipase activity, and hepatic triglyceride secretion. IL-6 is a pleiotropic cytokine that plays a critical role in bone resorption. IL-6 has been suggested to stimulate the HPA axis during immune activation independent of the input of hypothalamic corticotropin-releasing hormone (CRH). Interleukin-6 (IL-6) is an immunoregulatory cytokine that activates a cell-surface signaling assembly composed of IL-6, the IL-6 alpha-receptor (IL-6Ralpha), and the shared signaling receptor gp130. The standard product used in this kit is recombinant rat IL-6, consisting of 188 amino acids with the molecular mass of 21.8kDa. Principle of the Assay: The Picokine™ Rat Il6 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Rat Il6 with a 96-well strip plate that is pre-coated with antibody specific for Il6. The detection antibody is a biotinylated antibody specific for Il6. The capture antibody is polyclonal antibody from goat and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Rat Il6 with immunogen: Expression system for standard: E.coli; Immunogen sequence: F25-T211. The kit is analytically validated with ready-to-use reagents. To measure Rat Il6, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Rat Il6 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Rat Il6 in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124350
NCBI GeneID	24498
UniProt Accession #	P20607
Molecular Weight	24,357 Da
NCBI Official Full Name	Interleukin-6
NCBI Official Synonym Full Names	interleukin 6
NCBI Official Symbol	IL6
NCBI Official Synonym Symbols	ILg6; Ifnb2
NCBI Protein Information	interleukin-6; IL-6; Interleukin 6 (interferon, beta 2)
UniProt Protein Name	Interleukin-6
UniProt Gene Name	IL6
UniProt Synonym Gene Names	Il-6; IL-6
UniProt Entry Name	IL6_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/il6-rat-elisa-kits/il-6/11557>