

Rat IL6ST ELISA Kit | IL6ST elisa kit

Rat IL6ST PicoKine ELISA Kit

CATALOG #
AAA125040

REACTIVITY
Rat

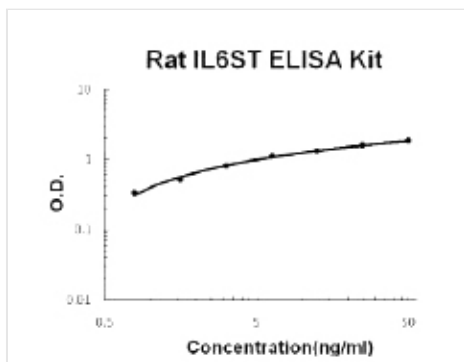
PRODUCT SYNONYMS

IL6ST; Rat IL6ST PicoKine ELISA Kit; Rat IL6ST; IL6ST elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant rat IL6ST
Sequence Length	918
Samples	Cell Culture Supernates, Cell Lysates, Serum And Plasma (Heparin, Edta)
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 accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL6ST elisa kit	Principle of the Assay: The Picokine Rat Il1b Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Rat Il1b with a 96-well strip plate that is pre-coated with antibody specific for Il1b. The detection antibody is a biotinylated antibody specific for Il1b. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Rat Il1b with immunogen: Expression system for standard: E.coli,V117-S268. The kit is analytically validated with ready to use reagents. To measure Rat Il1b, 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 substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Rat Il1b in the sample. Read the density 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 Il1b in the sample!!Background/Introduction: The Interleukin 1 family is a group of 11 beta trefoil cytokines. Interleukin-1, produced mainly by blood monocytes, mediates the panoply of host reactions collectively known as acute phase response. Interleukin-1beta(IL-1beta) is a potent stimulator of bone resorption, and has been implicated in the pathogenesis of high bone turnover and osteoporosis. IL-1beta belongs to proinflammatory cytokines, promote cancer cell adhesion and liver metastases by up-regulating the expression of vascular cell adhesion molecule-1(VCAM-1) on hepatic sinusoidal endothelium(HSE).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	28610147
NCBI GeneID	3572
NCBI Accession #	NP_002175.2
NCBI GenBank Nucleotide #	NM_002184.4
UniProt Accession #	P40189
NCBI Official Full Name	interleukin-6 receptor subunit beta isoform 1
NCBI Official Synonym Full Names	interleukin 6 signal transducer
NCBI Official Symbol	IL6ST
NCBI Official Synonym Symbols	CD130; GP130; CDW130; IL-6RB
NCBI Protein Information	interleukin-6 receptor subunit beta

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/rat-elisa-kits/il6st/125040>