

Mouse Gp130/IL6ST ELISA Kit | IL6ST elisa kit

Mouse Gp130/IL6ST PicoKine Fast ELISA Kit

CATALOG #
AAA125335

REACTIVITY
Mouse

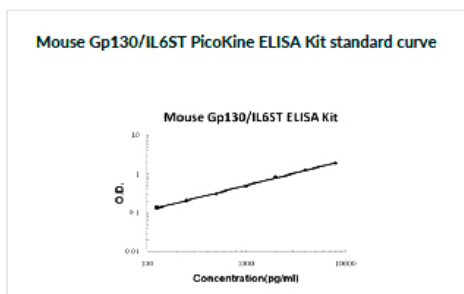
PRODUCT SYNONYMS

Gp130/IL6ST; Mouse Gp130/IL6ST PicoKine Fast ELISA Kit; Mouse Gp130; Interleukin-6 receptor subunit beta; IL-6 receptor subunit beta; IL-6R subunit beta; IL-6R-beta; IL-6RB; Interleukin-6 signal transducer; Membrane glycoprotein 130; gp130; Oncostatin-M receptor subunit alpha; CD130; Il6st; IL6ST elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Il6st
Sequence Length	917
Samples	Cell culture supernates, serum and plasma(heparin, EDTA, citrate)
Detection Range	125pg/ml-8000pg/ml
Sensitivity	<10pg/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 accross 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. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL6ST elisa kit	Principle of the Assay: The Picokine™ Mouse Il6st Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Il6st with a 96-well strip plate that is pre-coated with antibody specific for Il6st. The detection antibody is a biotinylated antibody specific for Il6st. The capture antibody is monoclonal antibody from rat, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Mouse Il6st with immunogen: Expression system for standard: NSO; Immunogen sequence: Q23-E617. The kit is analytically validated with ready to use reagents. To measure Mouse Il6st, 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 Mouse Il6st 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 Mouse Il6st in the sample.!!Background/Introduction: GP130(Glycoprotein 130) also known as IL6ST or CD130, is a transmembrane protein which is the founding member of the class of all cytokine receptors. The GP130 gene is mapped on 5q11.2. Gp130 showed an apparent molecular mass of 130 kD by SDS-PAGE. Gp130 is involved in the formation of high-affinity IL6-binding sites and in IL6 signal transduction. Sgp130 has a role in modulating signals transduced by membrane-bound gp130. Gp130 is an important part of many different types of signaling complexes.Gp130 molecules with mutations in either of these segments could not transduce a growth signal.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	225007625
NCBI GeneID	16195
NCBI Accession #	NP_034690.3
NCBI GenBank Nucleotide #	NP_034690.3
UniProt Accession #	Q00560
NCBI Official Full Name	interleukin-6 receptor subunit beta
NCBI Official Synonym Full Names	interleukin 6 signal transducer
NCBI Official Symbol	Il6st
NCBI Official Synonym Symbols	CD130; gp130; AA389424; BB405851; D13Ert699e; 5133400A03Rik
NCBI Protein Information	interleukin-6 receptor subunit beta
UniProt Protein Name	Interleukin-6 receptor subunit beta
UniProt Gene Name	Il6st
UniProt Synonym Gene Names	IL-6 receptor subunit beta; IL-6R subunit beta; IL-6R-beta; IL-6RB; gp130
UniProt Entry Name	IL6RB_MOUSE

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.