

Human IL-6R alpha ELISA Kit | IL6R elisa kit

Human IL-6R alpha PicoKine ELISA Kit

CATALOG #
AAA45561

REACTIVITY
Human

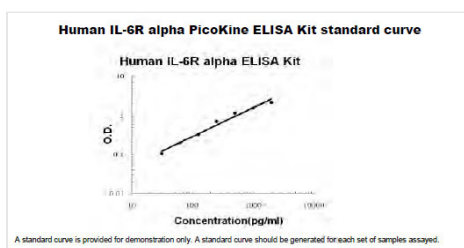
PRODUCT SYNONYMS

IL-6R alpha; Human IL-6R alpha PicoKine ELISA Kit; Interleukin-6 receptor subunit alpha; interleukin 6 receptor; CD126; CD126 antigen; Gp80; IL 6R 1; IL 6R alpha; IL-6 receptor subunit alpha; IL-6R 1; IL-6R subunit alpha; IL-6R-1; IL-6R-alpha; IL-6RA; IL6r; IL6R1; IL6RA; IL6RA_HUMAN; IL6Ralpha; Interleukin 6 receptor; Interleukin 6 receptor alpha chain; Membrane glycoprotein 80; MGC104991; OTTHUMP00000034320; IL6R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human IL6R
Sequence Length	468
Samples	Cell culture supernates, serum, plasma(heparin, edta, citrate) and urine
Detection Range	31.2pg/ml-2000pg/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 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 IL6R elisa kit	Principle of the Assay: The Picokine™ Human IL6R Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human IL6R with a 96-well strip plate that is pre-coated with antibody specific for IL6R. The detection antibody is a biotinylated antibody specific for IL6R. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human IL6R with immunogen: Expression system for standard: NSO; Immunogen sequence: L20-D358. The kit is analytically validated with ready to use reagents. To measure Human IL6R, 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 proportional to Human IL6R 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 Human IL6R in the sample. Background/Introduction: IL6R alpha(IL6RA) also known as CD126 or IL6R, is a type I cytokine receptor. The IL6 receptor is a protein complex consisting of a IL-6 receptor subunit(IL6R) and interleukin 6 signal transducer Glycoprotein 130. IL6R also denotes the human gene encoding this subunit. Alternatively spliced transcript variants encoding distinct isoforms have been reported. IL6R subunit is also shared by many other cytokines. Interleukin-6 receptor has been shown to interact with Interleukin 6 and Ciliary neurotrophic factor. Ligand binding did not appear to affect IL6R dimerization status. IL6R dimerization occurs both on the cell surface and in solution.
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NCBI AND UNIPROT INFORMATION

NCBI GeneID	3570
UniProt Accession #	A0N0L5; P08887
Molecular Weight	51,548 Da
NCBI Official Synonym Full Names	interleukin 6 receptor
NCBI Official Symbol	IL6R
NCBI Official Synonym Symbols	IL6Q; gp80; CD126; IL6RA; IL6RQ; IL-6RA; IL-6R-1
NCBI Protein Information	interleukin-6 receptor subunit alpha; IL-6R 1; CD126 antigen; membrane glycoprotein 80; IL-6 receptor subunit alpha
UniProt Protein Name	Interleukin 6 receptor
UniProt Gene Name	IL6R
UniProt Entry Name	A0N0L5_HUMAN

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.