

Mouse Interleukin 6 Receptor (IL6R) ELISA Kit | IL6R elisa kit

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CATALOG #
AAA64223

REACTIVITY
Mouse

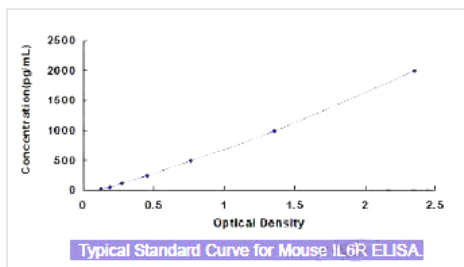
PRODUCT SYNONYMS

Interleukin 6 Receptor (IL6R); Mouse Interleukin 6 Receptor (IL6R) ELISA Kit; CD126; gp80; IL6R; IL-6R-1; IL-6R-Alpha; IL6RA; IL-6 receptor subunit alpha; Membrane glycoprotein 80; IL6R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of IL6R. No significant cross-reactivity or interference between IL6R and analogues was observed.
Sequence Length	460
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	31.25-2000pg/mL
Sensitivity	11.4pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IL6R were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level IL6R were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL6R elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IL6R in mouse serum, plasma, tissue homogenates, and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to IL6R. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to IL6R. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain IL6R, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of IL6R in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	110431356
NCBI GeneID	16194
NCBI Accession #	NP_034689.2
NCBI GenBank Nucleotide #	NM_010559.3
UniProt Accession #	P22272
Molecular Weight	50,455 Da
NCBI Official Full Name	interleukin-6 receptor subunit alpha isoform 1
NCBI Official Synonym Full Names	interleukin 6 receptor, alpha
NCBI Official Symbol	IL6ra
NCBI Official Synonym Symbols	IL6r; CD126; IL-6R; IL-6RA; IL-6R-alpha
NCBI Protein Information	interleukin-6 receptor subunit alpha
UniProt Protein Name	Interleukin-6 receptor subunit alpha
UniProt Gene Name	IL6ra
UniProt Synonym Gene Names	IL6r; IL-6 receptor subunit alpha; IL-6R subunit alpha; IL-6R-alpha; IL-6RA

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.