

Human Glucoprotein 130 (gp130) ELISA Kit | gp130 elisa kit

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CATALOG #
AAA64674

REACTIVITY
Human

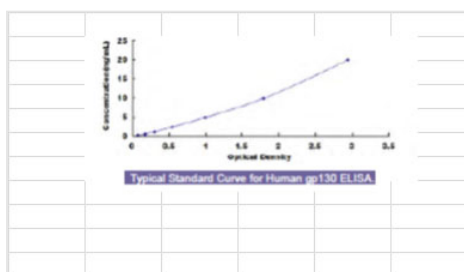
PRODUCT SYNONYMS

Glucoprotein 130 (gp130); Human Glucoprotein 130 (gp130) ELISA Kit; BB2; CD54; P3.58; Human Rhinovirus Receptor; gp130 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of gp130. No significant cross-reactivity or interference between gp130 and analogues was observed.
Sequence Length	857
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.115ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level gp130 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 gp130 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 gp130 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of gp130 in human serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to gp130. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to gp130. 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 gp130, 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 gp130 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 #	300244535
NCBI GeneID	3572
NCBI Accession #	NP_001177910.1
NCBI GenBank Nucleotide #	NM_001190981.1
UniProt Accession #	P40189; Q5FC04; Q9UQ41; A0N0L4
Molecular Weight	96,276 Da
NCBI Official Full Name	interleukin-6 receptor subunit beta isoform 3
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
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

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.