

Sheep Glucoprotein 130 ELISA Kit | gp130 elisa kit

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CATALOG #
AAA91831

REACTIVITY
Sheep

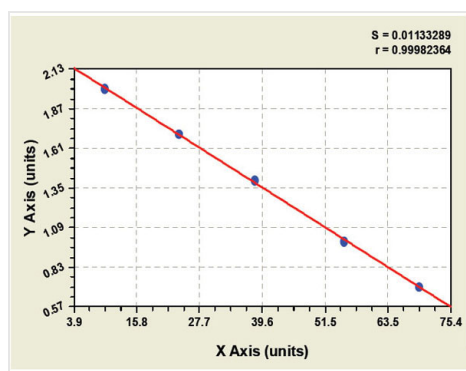
PRODUCT SYNONYMS

Glucoprotein 130; Sheep Glucoprotein 130 ELISA Kit; gp130 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for gp130 elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This GP 130 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse GP 130. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY GP 130 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GP 130 antibody and an GP 130-HRP conjugate. The assay sample and buffer are incubated together with GP 130-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GP 130 concentration since GP 130 from samples and GP 130-HRP conjugate compete for the anti-GP 130 antibody binding site. Since the number of sites is limited, as more sites are occupied by GP 130 from the sample, fewer sites are left to bind GP 130-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GP 130 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1246098
NCBI GeneID	3572
Molecular Weight	96,276 Da
NCBI Official Full Name	gp130, partial
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; CD130 antigen; IL-6R subunit beta; membrane glycoprotein 130; IL-6 receptor subunit beta; membrane glycoprotein gp130; gp130, oncostatin M receptor; interleukin receptor beta chain; oncostatin-M receptor subunit alpha; gp130 of the rheumatoid arthritis antigenic peptide-bearing soluble form
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_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.