

Rat Glucoprotein 130 (GP130) ELISA Kit

Catalog No: #EK11553



Package Size: #EK11553-1 48T #EK11553-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Rat Glucoprotein 130 (GP130) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (Rattus norvegicus)
Other Names	CD130; CDw130; GP130; GP130-RAPS; IL6R-beta; CD130 antigen IL6ST nirs variant 3 OTTHUMP00000122545 gp130 of the rheumatoid arthritis antigenic peptide-bearing soluble form gp130 transducer chain jnt
Accession No.	P40190
Uniprot	P40190
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:7.81-500 pg/mL

Sensitivity:3.4 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate IL6ST in samples. An antibody specific for IL6ST has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyIL6ST present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for IL6ST is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of IL6ST bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Glycoprotein 130 is a transmembrane protein which is the founding member of the class of all cytokine receptors. It forms one subunit of type I cytokine receptors within the IL-6 receptor family. It is often referred to as the common gp130 subunit, and is important for signal transduction following cytokine engagement.

As with other type I cytokine receptors, gp130 possesses a WSXWS amino acid motif that ensures correct protein folding and ligand binding. It interacts with Janus kinases to elicit an intracellular signal following receptor interaction with its ligand. Structurally, gp130 is composed of five fibronectin type-III domains and one immunoglobulin-like C2-type (immunoglobulin-like) domain in its extracellular portion.

Note: This product is for in vitro research use only