

Datasheet for ABIN6719982  
**CD130/gp130 ELISA Kit**

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## Overview

Quantity:	1 kit
Target:	CD130/gp130 (IL6ST)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	125 pg/mL - 8000 pg/mL
Minimum Detection Limit:	125 pg/mL
Application:	ELISA

## Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin - citrate), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: CD130 antigen, CDw130, gp130, IL6 R beta, Interleukin 6 receptor subunit beta, Interleukin 6 signal transducer, Membrane glycoprotein 130, Oncostatin M receptor alpha subunit</p> <p>Background: GP130(Glycoprotein 130) also known as IL6ST or CD130, is a transmembrane protein which is the founding member of the class of all cytokine receptors. The GP130 gene is mapped on 5q11.2. Gp130 showed an apparent molecular mass of 130 kD by SDS-PAGE.</p> <p>Gp130 is involved in the formation of high-affinity IL6-binding sites and in IL6 signal transduction. Sgp130 has a role in modulating signals transduced by membrane-bound gp130.</p>

## Product Details

Gp130 is an important part of many different types of signaling complexes. Gp130 Molecules with mutations in either of these segments could not transduce a growth signal.

Gene Name: IL6ST

Production: Natural and recombinant human Sgp130. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: sf21, Immunogen sequence: L24-E619

## Target Details

Target:	CD130/gp130 (IL6ST)
Alternative Name:	Gp130 - IL6ST ( <a href="#">IL6ST Products</a> )
Gene ID:	3572
NCBI Accession:	<a href="#">NP_001177910</a>
UniProt:	<a href="#">P40189</a>
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">Cellular Glucan Metabolic Process</a> , <a href="#">Autophagy</a> , <a href="#">Smooth Muscle Cell Migration</a> , <a href="#">Cancer Immune Checkpoints</a>

## Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 8000pg/mL, 4000pg/mL, 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL human GP130 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA, citrate) to each empty well. It is recommended that each human GP130 standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 125pg/mL-8000pg/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

## Handling

Storage:	RT,4 °C,-20 °C
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Handling

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images

