

Datasheet for KOA0185**Human Gp130 - IL6ST ELISA Kit****Overview**

Description:	Human Gp130/IL6ST AccuSignal ELISA Kit - KOA0185
Item No.:	KOA0185
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	125 pg/ml - 8000 pg/ml

Product Details

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. 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. 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.
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
Detection Kit Type:	ELISA Kit
Detection Range:	125 pg/ml - 8000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	IL6ST
Reactivity:	Human
Immunogen:	Expression system for standard: sf21; Immunogen sequence: L24-E619
Purity/Specificity:	Natural and recombinant human Sgp130. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- [UniProtKB - P40189](#)
- [NCBI - NP_001177910.1](#)
- [GeneID - 3572](#)
- [KOA0185 Protocol](#)

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml 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 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
Other:	DOE: @4°C 05/29/2024 @-20°C 11/29/2024

Formulation

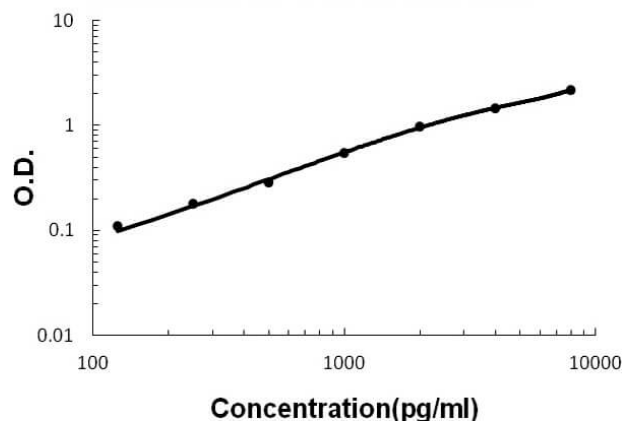
Concentration:	1 Kit
Anticoagulant:	Heparin Sodium

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	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.
Expiration:	See kit insert for complete instructions.

Images

Human sGP130 ELISA Kit



ELISA

Human GP130/IL6ST AccuSignal ELISA standard curve. Assay Range: 125pg/ml-8000pg/ml. Sensitivity: <10pg/ml.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.