

## ARG81316 Human CD130 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG81316 Human CD130 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD130 in serum, plasma and cell culture supernatant.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	Recognizes both natural and recombinant Human soluble CD130. No cross reactivity with other Human soluble receptors. No interference with neither soluble gp80 nor IL-6.
Target Name	CD130 / gp130
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	56.25 - 1800 pg/ml
Sample Volume	100 µl
Alternate Names	CDw130; CD130; CDW130; Interleukin-6 signal transducer; CD antigen CD130; IL-6RB; Membrane glycoprotein 130; GP130; Oncostatin-M receptor subunit alpha; IL-6R subunit beta; Interleukin-6 receptor subunit beta; gp130; IL-6 receptor subunit beta; IL-6R-beta

### Application Instructions

Assay Time	~ 2 hours
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### Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	IL6ST
Gene Full Name	interleukin 6 signal transducer
Background	The protein encoded by this gene is a signal transducer shared by many cytokines, including interleukin 6 (IL6), ciliary neurotrophic factor (CNTF), leukemia inhibitory factor (LIF), and oncostatin M (OSM). This protein functions as a part of the cytokine receptor complex. The activation of this protein is dependent upon the binding of cytokines to their receptors. vIL6, a protein related to IL6 and encoded by the Kaposi sarcoma-associated herpesvirus, can bypass the interleukin 6 receptor (IL6R) and directly

activate this protein. Knockout studies in mice suggest that this gene plays a critical role in regulating myocyte apoptosis. Alternatively spliced transcript variants have been described. A related pseudogene has been identified on chromosome 17. [provided by RefSeq, May 2014]

**Function**

Signal-transducing molecule. The receptor systems for IL6, LIF, OSM, CNTF, IL11, CTF1 and BSF3 can utilize gp130 for initiating signal transmission. Binds to IL6/IL6R (alpha chain) complex, resulting in the formation of high-affinity IL6 binding sites, and transduces the signal. Does not bind IL6. May have a role in embryonic development (By similarity). The type I OSM receptor is capable of transducing OSM-specific signaling events. [UniProt]

**Highlight**

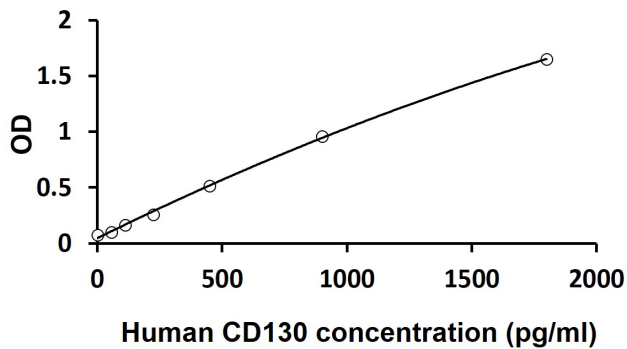
Related products:  
[CD130 antibodies](#); [CD130 ELISA Kits](#);  
New ELISA data calculation tool:  
[Simplify the ELISA analysis by GainData](#)

**PTM**

Phosphorylation of Ser-782 down-regulates cell surface expression.  
  
Heavily N-glycosylated (PubMed:11098061, PubMed:16335952, PubMed:19159218, PubMed:19139490, PubMed:11251120). Glycosylation is required for protein stability and localization in plasma membrane but not for ligand binding (PubMed:19915009). [UniProt]

**Images**

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ARG81316 Human CD130 ELISA Kit standard curve image

ARG81316 Human CD130 ELISA Kit results of a typical standard run with optical density reading at 450 nm.