

Mouse gp130/CD130/IL6ST ELISA Kit | gp130/CD130/IL6ST elisa kit

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CATALOG #
AAA258477

REACTIVITY
Mouse

PRODUCT SYNONYMS

gp130/CD130/IL6ST; Mouse gp130/CD130/IL6ST ELISA Kit; gp130/IL6ST ELISA Kit; Mouse; interleukin 6 signal transducer; 5133400A03Rik ELISA Kit; AA389424 ELISA Kit; BB405851 ELISA Kit; CD130 ELISA Kit; D13Ert699e ELISA Kit; gp130 ELISA Kit; gp130/CD130/IL6ST elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	For the quantitative determination of Mouse gp130/CD130/IL6ST concentration in serum.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum
Detection Range	23.44-1500pg/mL
Sensitivity	9.44pg/mL
Conjugation	HRP
Interference	Preparations of the following factors at 15ng/mL in a mid-range recombinant Mouse IL6ST control were assayed for interference. No significant interference was observed.
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

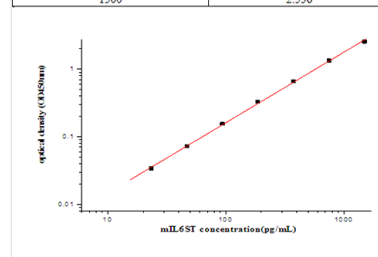
IMAGES

Recombinant human			
IL6RB			
Recombinant mouse			
IL1A	IL1B	IL2	IL12B
TNFA(80-235)	IL6	IFNG	CCL3
VEGF164	IL18R1	IL17a	IL18
IL12A+IL12B	XCL1	IL12RB2	OSMR
IL11	LIF	OSM	
Recombinant rat			
IL6ST			

Application Data

This assay recognizes both recombinant and natural Mouse IL6ST. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.

Concentration (pg/mL)	Zero standard subtracted OD
0	0
23.44	0.034
46.88	0.072
93.75	0.155
187.5	0.326
375	0.652
750	1.335
1500	2.536



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for gp130/CD130/IL6ST elisa kit	This gp130/IL6ST ELISA Kit, Mouse is an enzyme-linked immunosorbent assay for the quantitative measurement of Mouse gp130/IL6ST protein in Serum. It contains recombinant Mouse gp130/IL6ST, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: Glycoprotein 130 (also known as gp130, IL6ST, IL6-beta, or CD130) is a transmembrane protein that is the founding member of the class of all cytokine receptors. CD130/gp130 is a signal transducer shared by many cytokines, including interleukin 6 (IL6), ciliary neurotrophic factor (CNTF), leukemia inhibitory factor (LIF), and Oncostatin M (OSM). CD130/gp130 functions as a part of the cytokine receptor complex. The activation of this protein is dependent upon the binding of cytokines to their receptors. CD130/gp130 plays a critical role in regulating myocyte apoptosis. Alternatively, spliced transcript variants encoding distinct isoforms have been described. A related pseudogene has been identified on chromosome 17. The receptor systems for IL6, LIF, OSM, CNTF, IL11, CTF1, and BSF3 can utilize gp130 for initiating signal transmission. CD130/gp130 binds to IL6/IL6R (alpha chain) complex, resulting in the formation of high-affinity IL6 binding sites, and transduces the signal. CD130/gp130 may have a role in embryonic development. The type I OSM receptor is capable of transducing OSM-specific signaling events.
References	Hibi, et al. (1990) Molecular cloning and expression of an IL-6 signal transducer, gp130. Cell. 63 (6): 1149-57. Kim H, et al. (1997) Transmembrane domain of gp130 contributes to intracellular signal transduction in hepatic cells. J Biol Chem. 272 (49): 30741-7. Giordano V, et al. (1997) Shc mediates IL-6 signaling by interacting with gp130 and Jak2 kinase. J Immunol. 158 (9): 4097-103.

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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/gp130-cd130-il6st/258477>