

ARG23136 anti-CD130 / gp130 antibody [B-T2]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [B-T2] recognizes CD130 / gp130
Tested Reactivity	Hu
Tested Application	ELISA, FACS
Host	Mouse
Clonality	Monoclonal
Clone	B-T2
Isotype	IgG1
Target Name	CD130 / gp130
Species	Human
Immunogen	Natural soluble gp130 receptor.
Conjugation	Un-conjugated
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

Application table	Application	Dilution
	ELISA	Assay-dependent
	FACS	0.2 µg/10 ⁶ cells

Application Note FACS: Use 10 µl of the suggested working dilution to label 10⁶ cells in 100 µl.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified by ion exchange chromatography.
Buffer	PBS and 0.09% Sodium azide.
Preservative	0.09% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	IL6ST
Gene Full Name	interleukin 6 signal transducer
Background	<p>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]</p>
Function	<p>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]</p>
Calculated Mw	104 kDa
PTM	<p>Phosphorylation of Ser-782 down-regulates cell surface expression.</p> <p>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]</p>