

Product datasheet for **SM2115P**

CD130 (IL6ST) Mouse Monoclonal Antibody [Clone ID: B-T2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	B-T2
Applications:	ELISA, FC
Recommended Dilution:	ELISA. Flow Cytometry: 0.2µg/10 ⁶ cells; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Natural soluble gp130 receptor. Spleen cells from immunised BALB/c (Iffa Credo) mice were fused with cells of the X63.Ag8.653 mouse myeloma cell line.
Specificity:	This antibody specifically recognises soluble and membrane bound gp130 receptor. This antibody has been reported to block the activity of IL-6.
Formulation:	PBS containing 0.09% Sodium Azide State: Purified State: Liquid purified IgG
Concentration:	lot specific
Purification:	Ion exchange chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch
Gene Name:	interleukin 6 signal transducer
Database Link:	Entrez Gene 3572 Human P40189



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Background:

CD130 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 suggested a critical role of the gene encoding this protein in regulating myocyte apoptosis. Alternatively spliced transcript variants encoding distinct isoforms have been described.

Synonyms:

Interleukin-6 receptor subunit beta, IL-6R-beta, IL6 receptor beta