Data Sheet (Cat.No.TMAY-03136P)

TargetMol

Anti-gp130/IL6ST Antibody-PE (7J799)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Mouse
Conjugation:	PE
Clone:	7J799
Purification:	Protein A

Applications

Verified Activity:	Flow cytometric analysis of Mouse IL6ST(CD130) expression on BABL/c splenocytes. Cells were stained with PE-conjugated anti-Mouse IL6ST(CD130) and FITC-conjugated anti-Mouse CD3. The dot plots were derived from gated events with the forward and side light-scatter characteristics of intact cells.
Application:	FCM
Recommended	5 μl/Test, 0.1 mg/ml

Properties

Stability & Storage:	Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight. Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Mouse IL6ST/gp130/CD130 Protein (TMPY-01832)
Antigen Species:	Mouse
Synonyms:	CDW130;IL-6RB;CD130;interleukin 6 signal transducer;GP130

Research 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.

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