APC Anti-Mouse CD130 Antibody[4H1B35]

Catalog Number: AN01236E

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

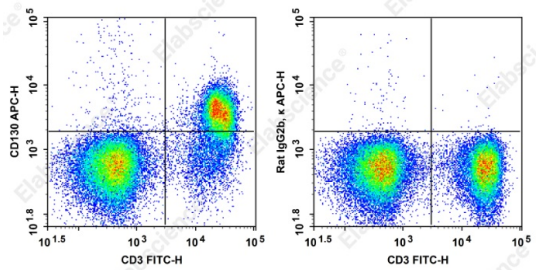
Description

Reactivity	Mouse
Host	Rat
Isotype	Rat IgG2b, κ
Clone No.	4H1B35
Isotype Control	APC Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09842E]
Conjugation	APC
Conjugation Information	APC is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications — Recommended usage

FCM	Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Data



Staining of C57BL/6 murine splenocytes cells with FITC Anti-Mouse CD3 Antibody and APC Anti-Mouse CD130 Antibody[4H1B35] (left) or APC Rat IgG2b, κ Isotype Control (right). Total viable cells were used for analysis.

Preparation & Storage

Storage	Keep as concentrated solution. This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze.
Shipping	Ice bag

Antigen Information

Alternate Names	GP130;IL6ST;IL-6RB;IL-6R-beta;Oncostatin-M receptor subunit alpha;IL-6 receptor Beta
Uniprot ID	Q00560
Gene ID	16195

Background

CD130, also known as gp130 and IL-6ST, is a type I transmembrane glycoprotein. CD130 can form receptor complexes for a family of cytokines, which include IL-6, IL-11, IL-27, LIF, and OSM, and can transduce signals for these cytokines. The 597aa extracellular domain has one Ig-like domain and five fibronectin type-III repeats. The 277a.a. intracellular domain does not have intrinsic kinase activity. Instead, it can be phosphorylated at tyrosine residues after it forms complexes with other receptor subunits, and in turn can lead to the association with JAK tyrosine kinases and the activation of STAT transcription factors, particularly STAT3.

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