

PE anti-human CD130 (gp130) Antibody

Catalog# / Size	362003 / 25 tests 362004 / 100 tests
Clone	2E1B02
Regulatory Status	RUO
Other Names	GP130, GP-130, IL6ST, IL-6R β , Oncostatin M Receptor, Oncostatin-M receptor subunit alpha
Isotype	Mouse IgG2a, κ
Description	CD130, also known as gp130 (glycoprotein 130), IL6ST (IL-6-receptor-associated signal transducer), or common β chain, is a member of the hematopoietic cytokine receptor family. CD130 is a common subunit associated with the receptors for several cytokines, such as IL-6, IL-11, Oncostatin M (OSM), CNTF (ciliary neurotrophic factor), CT-1, Neuropoietin (NP), and IL-27. CD130 participates in the JAK-STAT signaling pathway and is expressed on T cells, activated B cells, monocytes, plasma cells, and endothelial or epithelial cells.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	GP130 (23-619aa) recombinant protein
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration, please enter the lot number in our Concentration and Expiration Lookup or Certificate of Analysis online tools.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is 5 μ l per million cells in 100 μ l staining volume or 5 μ l per 100 μ l of whole blood.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
Product Citations	1. Fielding CA <i>et al.</i> 2017. eLife. 6 pii: e22206. PubMed 2. Parackova Z, <i>et al.</i> 2020. Sci Rep. 0.759027778. PubMed
RRID	AB_2563401 (BioLegend Cat. No. 362003) AB_2563402 (BioLegend Cat. No. 362004)

Antigen Details

Structure	130 kD type I transmembrane glycoprotein.
Distribution	T cells, activated B cells, monocytes, plasma cells, endothelial cells and epithelial cells.
Function	Common β subunit of IL-6 receptor family, plays a role in signal transduction.

Ligand/Receptor	IL-6, IL-11, OSM, CNTF, CT-1, NP, IL-27.
Cell Type	B cells, Endothelial cells, Epithelial cells, Monocytes, Plasma cells, T cells
Biology Area	Immunology
Molecular Family	CD Molecules
Antigen References	<ol style="list-style-type: none"> 1. Arzt E, <i>et al.</i> 2001. <i>J. Clin. Invest.</i> 108:1729. 2. Bravo J, <i>et al.</i> 2000. <i>EMBO J.</i> 19:2399. 3. Wang XJ, <i>et al.</i> 1998. <i>Blood</i> 91:3308. 4. Hibi. M, <i>et al.</i> 1990. <i>Cell.</i> 63:1149. 5. Schlossman S, <i>et al.</i> 1995. ed. <i>Leukocyte Typing V.</i> New York. Oxford University Press.
Gene ID	3572

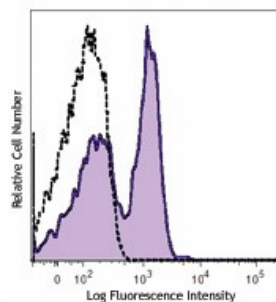
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-human CD130 (gp130), PE anti-human CD130 (gp130), APC anti-human CD130 (gp130), PE/Cyanine7 anti-human CD130 (gp130), PE/Dazzle™ 594 anti-human CD130 (gp130), TotalSeq™-C0820 anti-human CD130 (gp130), TotalSeq™-B0820 anti-human CD130 (gp130)

Product Data



Human peripheral blood lymphocytes were stained with CD130 (clone 2E1B02) PE (filled histogram) or mouse IgG2a, κ PE isotype control (open histogram).

For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.

*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biolegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.

BioLegend Inc., 8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587