

Technical Data Sheet

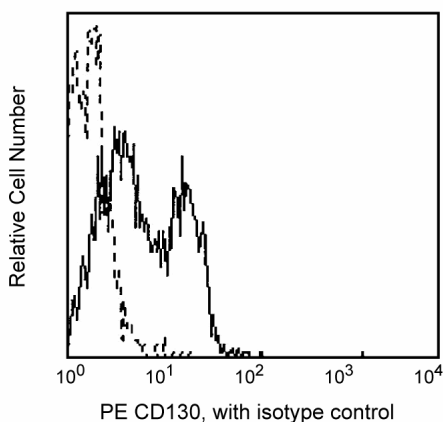
PE Mouse Anti-Human CD130

Product Information

Material Number:	555757
Alternate Name:	gp130
Size:	100 tests
Vol. per Test:	20 µl
Clone:	AM64
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Workshop:	V C041
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

Reacts with gp130, the IL-6-receptor-associated signal transducer, a member of the hemopoietic cytokine receptor family which is shared by other receptor complexes: leukemia inhibitory factor (LIF), oncostatin M (OM) ciliary neurotrophic factor (CNTF), and IL-11. CD130 is expressed on T cells, activated B cells, monocytes, plasma cells, and endothelia. AM64 antibody can be used in flow cytometry, immunoprecipitation, western blot, and immunohistochemistry on frozen sections.



Profile of peripheral blood lymphocytes analyzed on a FACScan (BDIS, San Jose, CA)

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

The antibody was conjugated with R-PE under optimum conditions, and unconjugated antibody and free PE were removed by gel filtration chromatography.

Store undiluted at 4° C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
555749	PE Mouse IgG1, κ Isotype Control	100 tests	MOPC-21

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Product Notices

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1 X 10⁶ cells in a 100- μ l experimental sample (a test).
2. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
3. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
4. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/pharmingen/colors.
5. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
6. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References

- Schlossman SF, Boumsell L, Gilks W, et al, ed. *Leukocyte Typing V: White Cell Differentiation Antigens*. New York: Oxford University Press; 1995.
(Clone-specific)
- Hibi M, Murakami M, Saito M, Hirano T, Taga T, Kishimoto T. Molecular cloning and expression of an IL-6 signal transducer, gp130. *Cell*. 1990; 63(6):1149-1157.
(Biology)
- Pietzko D, Zohnhöfer D, Graeve L, et al. The hepatic interleukin-6 receptor. Studies on its structure and regulation by phorbol 12-myristate 13-acetate-dexamethasone. *J Biol Chem*. 1993; 268(6):4250-4258.(Biology)