

Technical Data Sheet

Purified Mouse Anti-Human CD13

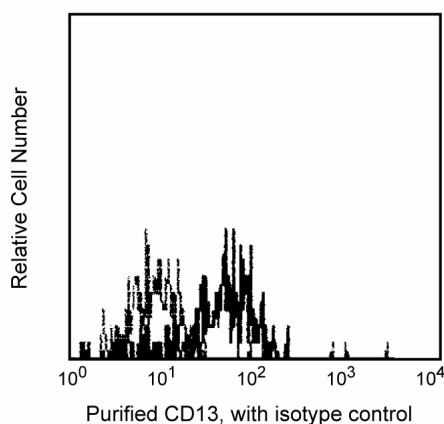
Product Information

Material Number:	555393
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	WM15
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Workshop:	IV M44
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

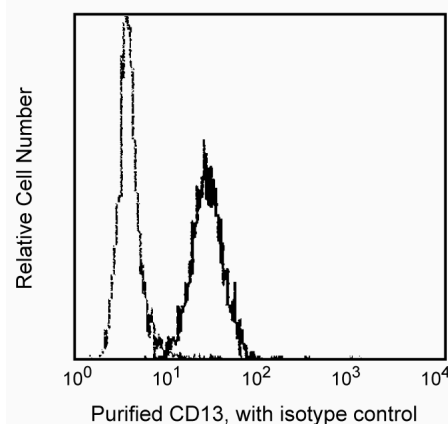
Description

Reacts with the 150 kDa integral membrane glycoprotein aminopeptidase N. This antibody binds to granulocytic and monocytic cells, mast cells, and GM-progenitor cells but not to lymphocytes, platelets or erythrocytes. Aminopeptidase N is involved in the metabolism of many regulatory peptides.

This antibody is routinely tested by flow cytometric analysis. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.



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



Profile of peripheral blood granulocytes 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.

Store undiluted at 4° C.

Application Notes

Application

Flow cytometry	Routinely Tested
Immunohistochemistry-frozen	Tested During Development

Suggested Companion Products

Catalog Number	Name	Size	Clone
555746	Purified Mouse IgG1, κ Isotype Control	0.1 mg	MOPC-21
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Polyclonal

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Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmlingen/protocols for technical protocols.
3. 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.

References

Barclay NA, Brown MH, Birkeland ML, et al, ed. *The Leukocyte Antigen FactsBook*. San Diego, CA: Academic Press; 1997.(Biology)

Knapp W, Dorken B, et al, ed. *Leucocyte Typing IV*. New York: Oxford University Press; 1989.(Clone-specific)

Favaloro EJ, Bradstock KF, Kabral A, Grimsley P, Zowtyj H, Zola H. Further characterization of human myeloid antigens (gp160,95; gp150; gp67): investigation of epitopic heterogeneity and non-haemopoietic distribution using panels of monoclonal antibodies belonging to CD-11b, CD-13 and CD-33. *Br J Haematol*. 1988; 69(2):163-171.(Biology)

Favaloro EJ, Moraitis N, Bradstock K, Koutts J. Co-expression of haemopoietic antigens on vascular endothelial cells: a detailed phenotypic analysis. *Br J Haematol*. 1990; 74(4):385-394.(Biology)

Favaloro EJ, Moraitis N, Koutts J, Exner T, Bradstock KF. Endothelial cells and normal circulating haemopoietic cells share a number of surface antigens. *Thromb Haemost*. 1989; 61(2):217-224.(Biology)