

Technical Data Sheet

PE Mouse Anti-Human CD181

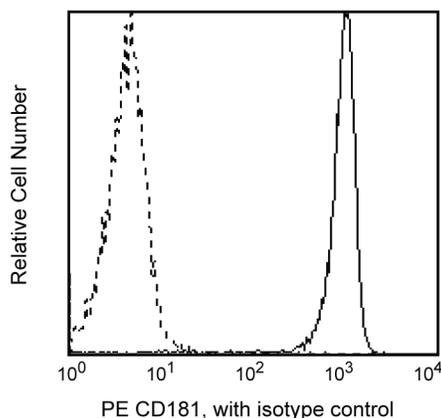
Product Information

Material Number:	555940
Alternate Name:	CXCR1, IL-8RA, CD128a
Size:	0.2 mg
Concentration:	0.2 mg/ml
Clone:	5A12
Isotype:	Mouse IgG2b κ
Reactivity:	QC Testing: Human
Workshop:	NA
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

Reacts with Interleukin-8 receptor A (IL-8RA), a G protein-linked seven transmembrane domain protein, expressed on monocytes and granulocytes. It is also expressed on a subset of T cells. Both IL-8RA and IL-8RB are high affinity receptors for IL-8. IL-8 is an inflammatory cytokine which induces chemotaxis of neutrophils, basophils and T lymphocytes. IL-8RA and IL-8RB were first clustered as CD128a and CD128b, respectively in the VIIth HLDA workshop, and then were re-clustered as CD181 and CD182, respectively in the VIIIth HLDA workshop.

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 granulocytes analyzed on a BD 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

BD Biosciences

bdbiosciences.com

United States	Canada	Europe	Japan	Asia Pacific	Latin America/Caribbean
877.232.8995	888.259.0187	32.53.720.550	0120.8555.90	65.6861.0633	55.11.5185.9995

For country-specific contact information, visit bdbiosciences.com/how_to_order/

Conditions: The information disclosed herein is not to be construed as a recommendation to use the above product in violation of any patents. BD Biosciences will not be held responsible for patent infringement or other violations that may occur with the use of our products. Purchase does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written authorization of Becton Dickinson and Company is strictly prohibited.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Not for resale.

BD, BD Logo and all other trademarks are the property of Becton, Dickinson and Company. ©2006 BD



BD

BD Biosciences

Suggested Companion Products

<u>Catalog Number</u>	<u>Name</u>	<u>Size</u>	<u>Clone</u>
555743	PE Mouse IgG2b κ Isotype Control	100 tests	27-35

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/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)
- Baggiolini M, Loetscher P, Moser B. Interleukin-8 and the chemokine family. *Int J Immunopharmacol*. 1995; 17(2):103-108.(Biology)
- Callard R, Gearing A. *The Cytokine Facts Book*. San Diego: Academic Press; 1994.(Biology)
- Qin S, LaRosa G, Campbell JJ, et al. Expression of monocyte chemoattractant protein-1 and interleukin-8 receptors on subsets of T cells: correlation with transendothelial chemotactic potential. *Eur J Immunol*. 1996; 26(3):640-647.(Clone-specific)