

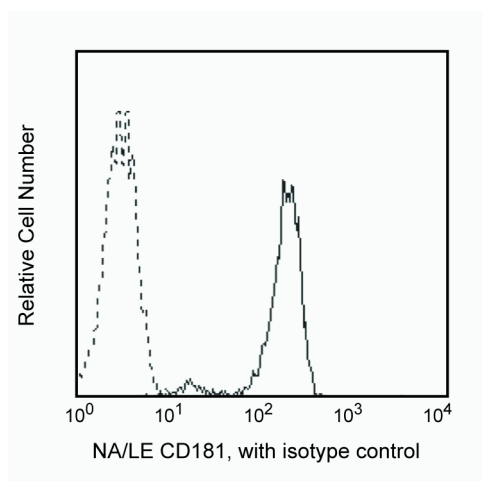
Technical Data Sheet

Purified NA/LE Mouse Anti-Human CD181**Product Information**

Material Number:	555936
Alternate Name:	CXCR1, IL-8RA, CD128a
Size:	0.5 mg
Concentration:	1.0 mg/ml
Clone:	5A12
Isotype:	Mouse IgG2b, κ
Reactivity:	QC Testing: Human
Storage Buffer:	No azide/low endotoxin: Aqueous buffered solution containing no preservative, 0.2 μ m sterile filtered. Endotoxin level is ≤ 0.01 EU/ μ g (≤ 0.001 ng/ μ g) of protein as determined by the LAL assay.

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.



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

Preparation and Storage

Store undiluted at 4°C.

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

This preparation contains no preservatives, thus it should be handled under aseptic conditions.

Application Notes**Application**

Flow cytometry	Routinely Tested
Functional assay	Tested During Development

Suggested Companion Products

Catalog Number	Name	Size	Clone
559530	Purified NA/LE Mouse IgG2b, κ Isotype Control	0.5 mg	MPC-11
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Polyclonal
554609	Recombinant Human IL-8	20 μ g	(none)
555899	Lysing Buffer	100 ml	(none)
554656	Stain Buffer (FBS)	500 ml	(none)

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Product Notices

- 1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
- 2. An isotype control should be used at the same concentration as the antibody of interest.
- 3. Please refer to www.bdbiosciences.com/pharming/protocols for technical protocols.

References

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Baggiolini M, Loetscher P, Moser B. Interleukin-8 and the chemokine family. *Int J Immunopharmacol*. 1995; 17(2):103-108. (Biology)
Barclay NA, Brown MH, Birkeland ML, et al, ed. *The Leukocyte Antigen FactsBook*. San Diego, CA: Academic Press; 1997. (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)

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