

Technical Data Sheet

FITC Mouse Anti-Human CD1a

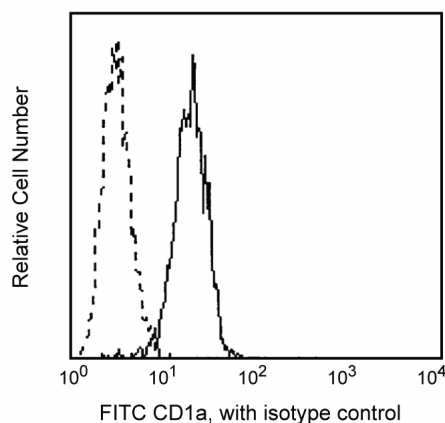
Product Information

Material Number:	555806
Size:	100 tests
Vol. per Test:	20 µl
Clone:	HI149
Isotype:	Mouse IgG1 κ
Reactivity:	QC Testing: Human
Workshop:	V 5T CD01.01
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

Reacts with a 49 kDa polypeptide associated with β2-microglobulin. CD1a is expressed on cortical thymocytes, dendritic cells and Langerhans cells. CD1a has structural similarities to the MHC class I antigen, and plays a role in antigen presentation.

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 MOLT-4 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 FITC under optimum conditions, and unreacted FITC was removed.

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

Application Notes

Application

Flow cytometry

Routinely Tested

Suggested Companion Products

Catalog Number	Name	Size	Clone
555748	FITC Mouse IgG1 κ Isotype Control	100 tests	MOPC-21

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-µl experimental sample (a test).

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2. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
3. Please refer to www.bdbiosciences.com/pharming/protocols for technical protocols.
4. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/pharming/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)
- Knapp W, Dorken B, et al, ed. *Leukocyte Typing IV*. New York: Oxford University Press; 1989.(Biology)
- Calabi F, Bradbury A. The CD1 system. *Tissue Antigens*. 1991; 37(1):1-9.(Biology)
- Hanau D, Schmitt DA, Bieber T, Schmitt D, Cazenave JP. Possible mechanism of action of CD1a antigens. *J Invest Dermatol*. 1990; 95(5):503-505.(Biology)