

Technical Data Sheet

Purified Mouse Anti-Human CD1a

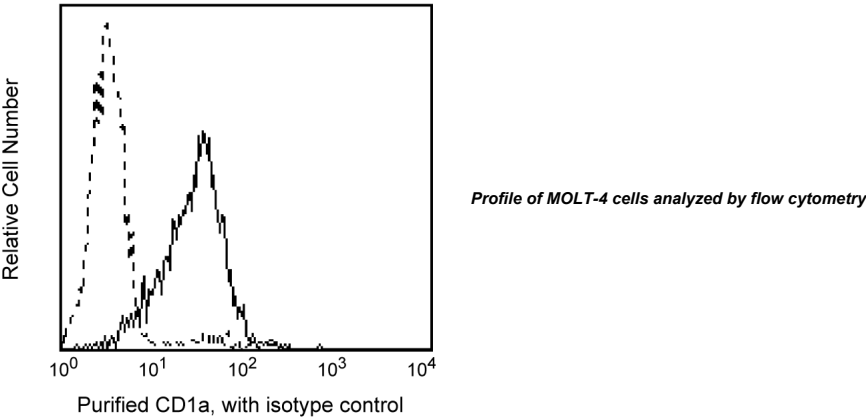
Product Information

Material Number:	555805
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	HI149
Isotype:	Mouse IgG1 κ
Reactivity:	QC Testing: Human
Workshop:	V 5T CD01.01
Storage Buffer:	Aqueous buffered solution containing ≤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.



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
Fluorescence microscopy	Tested During Development

Suggested Companion Products

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

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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/pharming/en/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

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Knapp W, Dorken B, et al, ed. *Leucocyte 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)