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anti-CD1a antibody

Images



Overview

Quantity:	100 μg
Target:	CD1a
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD1a antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF)

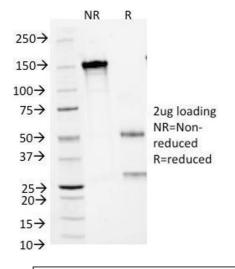
Product Details

Immunogen:	Human thymocytes
Clone:	66IIC7
Isotype:	IgG2a kappa
Purification:	Purified by Protein A/G

Target Details

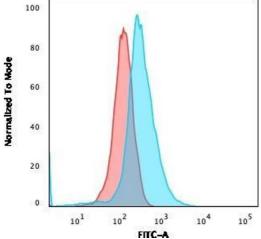
Target:	CD1a
Alternative Name:	CD1A (CD1a Products)
Background:	At least five CD1 genes (CD1a, b, c, d, and e) are identified. CD1 proteins have been demonstrated to restrict T cell response to non-peptide lipid and glycolipid antigens and play a
	role in non-classical antigen presentation. CD1a is a non-polymorphic MHC Class 1 related cell
	surface glycoprotein, expressed in association with Beta-2 microglobulin. Anti-CD1a labels

	Langerhans cell histiocytosis (Histiocytosis X), extranodal histiocytic sarcoma, a subset of T-lymphoblastic lymphoma/leukemia, and interdigitating dendritic cell sarcoma of the lymph node. When combined with antibodies against TTF-1 and CD5, anti-CD1a is useful in distinguishing between pulmonary and thymic neoplasms since CD1a is consistently expressed in thymic lymphocytes in both typical and atypical thymomas, but only focally in 1/6 of thymic carcinomas and not in lymphocytes in pulmonary neoplasms. Anti-CD1a is reported to be a new marker for perivascular epithelial cell tumor (PEComa).
Molecular Weight:	49kDa
Gene ID:	909
UniProt:	P06126
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process
Application Details	
Application Notes:	Positive Control: MOLT-4 cells. Paracortex in a tonsil or a reactive lymph node. Known Application: Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only
Handling	
Concentration:	200 μg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified CD1a Mouse Monoclonal Antibody (66IIC7). Confirmation of Integrity and Purity of Antibody.



Flow Cytometry

Image 2. Flow Cytometric Analysis of MOLT-4 cells using CD1a Mouse Monoclonal Antibody (66IIC7) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype control (Red).