

Anti-CD1a / HTA1 Antibody (C1A/711)

CATALOG NO:	A1478-100
ALTERNATIVE NAMES:	Cortical thymocyte antigen CD1A, Epidermal dendritic cell marker CD1a antibody, FCB6, HTA1, T cell surface antigen T6 / Leu 6, T-Cell Surface Glycoprotein CD1A
AMOUNT:	100 µg
IMMUNOGEN:	Recombinant human CD1a protein
HOST/ISOTYPE:	Mouse / IgG1, kappa
CLONALITY:	Monoclonal
CLONE:	C1A/711
MOL WEIGHT:	49 kDa
SPECIES REACTIVITY:	Human
PURIFICATION:	Protein A/G purified
FORM:	Liquid
FORMULATION:	Supplied in 10 mM PBS with 0.05% BSA & 0.05% azide
STORAGE CONDITIONS:	Shipped at 4°C. Long term storage at -20°C.
DESCRIPTION:	<p>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).</p>
APPLICATION:	<p>FC: 0.5-1µg/1X10⁶ cells in 0.1ml IF: 1-2µg/ml IHC: 0.5-1 µg/ml for 30 minutes at RT (Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)</p>

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Formalin-fixed, paraffin-embedded human Skin stained with CD1a Monoclonal Antibody (C1A/711).

RELATED PRODUCTS:

- Anti-CD11c Antibody (ITGAX/1243) (**Cat. No. A1474**)
- Anti-CD146 Rabbit Monoclonal Antibody (**Cat. No. A1122**)
- Anti-CD11a Antibody (CRIS-3) (**Cat. No. A1472**)
- CD1E, human recombinant (**Cat. No. 7308**)
- CD5, human recombinant (**Cat. No. 7315**)
- CD11c FITC Monoclonal Antibody (Clone 3.9) (**Cat. No. 6956**)

FOR RESEARCH USE ONLY! Not to be used on humans.