BioVision 02/18 For research use only

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: 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).

APPLICATION: FC: 0.5-1ug/1X10⁶ cells in 0.1ml

IF: 1-2ug/ml

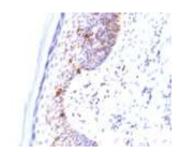
IHC: 0.5-1 ug/ml for 30 minutes at RT

(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)

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.

