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36-3455: Anti-CD1a / HTA1 (Mature Langerhans Cells Marker) Polyclonal Antibody

Clonality: Polyclonal

Application: IHC
Reactivity: Human
Gene: CD1A
Gene ID: 909
Uniprot ID: P06126

Alternative Name: Cortical thymocyte antigen CD1A, Epidermal dendritic cell marker CD1a antibody, FCB6,

HTA1, T cell surface antigen T6 / Leu 6, T-Cell Surface Glycoprotein CD1A

Isotype: Rabbit IgG

Immunogen Information: Recombinant human CD1a protein

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).

Product Info

Amount : 20 μg / 100 μg

Content: 200 µg/ml of Ab Purified by Protein A Column. Prepared in 10mM PBS with 0.05% BSA & 0.05%

azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage condition : 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.

Application Note

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);

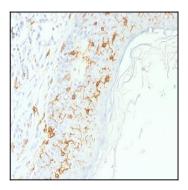


Fig. 1: Formalin-fixed, paraffin-embedded human Skin stained with CD1a Rabbit Polyclonal Antibody.