

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

12-1047: Recombinant Rabbit Monoclonal Antibody to CD1a / HTA1 (Mature Langerhans Cells Marker)(Clone: C1A/1506R)

Clonality: Monoclonal Clone Name: C1A/1506R

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

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 full-length 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

Purification: Purified Ab with BSA and Azide at 200ug/ml

Content: 200ug/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 : Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

Immunohistochemistry (Formalin-fixed) (1-2 \tilde{A} || \hat{A} μ g/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);



9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

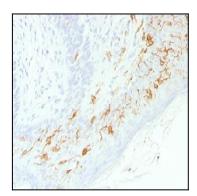


Figure 1: Formalin-fixed, paraffin-embedded human Skin stained with CD1a Rabbit Recombinant Monoclonal Antibody (C1A/1506R).

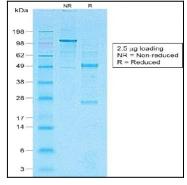


Figure 2: SDS-PAGE Analysis of Purified CD1a Rabbit Recombinant Monoclonal Antibody (C1A/1506R).