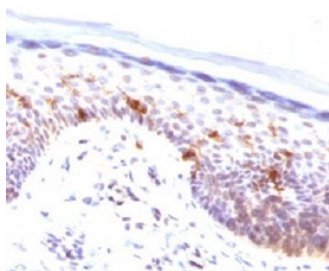


CD1a Antibody [clone CLDA1a] (V7012)

| Catalog No. | Formulation | Size |
|----------------|--|--------|
| V7012-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V7012-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V7012SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

[Bulk quote request](#)

| | |
|---------------------------|---|
| Species Reactivity | Human |
| Format | Purified |
| Host | Mouse |
| Clonality | Monoclonal (mouse origin) |
| Isotype | Mouse IgG1, kappa |
| Clone Name | CLDA1a |
| Purity | Protein G affinity chromatography |
| Buffer | 1X PBS, pH 7.4 |
| Gene ID | 909 (Human) |
| Localization | Cell surface, cytoplasmic |
| Applications | Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT |
| Limitations | This CD1a antibody is available for research use only. |



IHC testing of FFPE human skin stained with CD1a antibody (clone CLDA1a). Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.

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. CD1a antibody 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 antibody against TTF-1 and CD5, CD1a antibody 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. antibody to CD1a is reported to be a new marker for perivascular epithelial cell tumor (PEComa).

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the CD1a antibody to be titrated up or down for optimal performance.

Immunogen

Recombinant human protein was used as the immunogen for this CD1a antibody.

Storage

Store the CD1a antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

References (4)