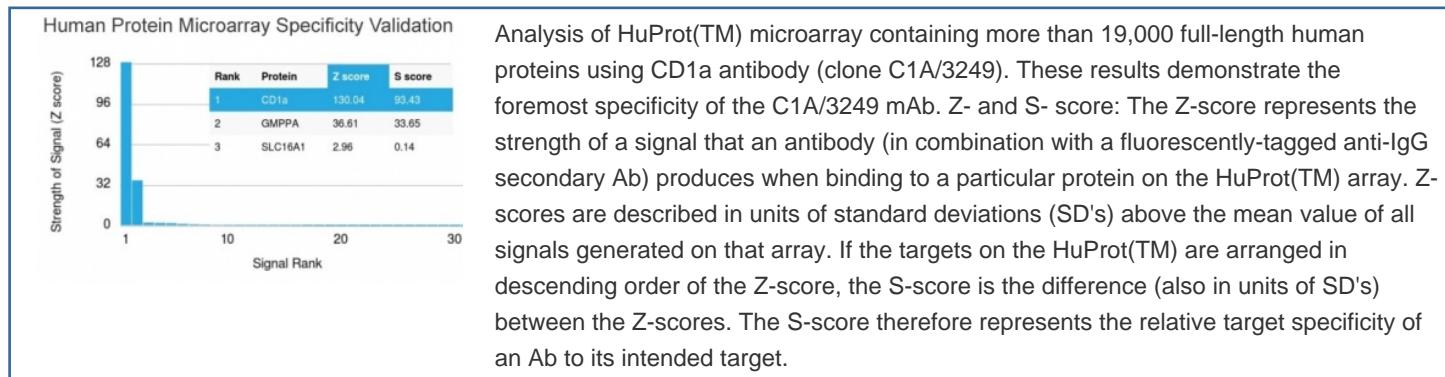


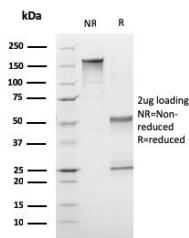
## CD1a Antibody [clone C1A/3249] (V8193)

Catalog No.	Formulation	Size
V8193-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8193-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8193SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

### Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	C1A/3249
Purity	Protein G affinity chromatography
UniProt	P06126
Applications	ELISA (order BSA-free Format For Coating) :
Limitations	This CD1a antibody is available for research use only.





SDS-PAGE analysis of purified, BSA-free CD1a antibody (clone C1A/3249) as confirmation of integrity and purity.

## 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 Notes

Optimal dilution of the CD1a antibody should be determined by the researcher.

## Immunogen

A recombinant human partial protein (amino acids 43-173) was used as the immunogen for this CD1a antibody.

## Storage

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