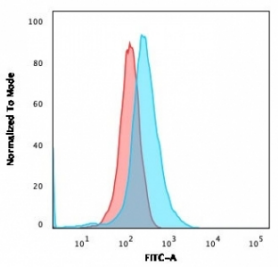
CD1A Antibody for FACS Clone CBT6 / Immune Phenotyping Antibody [clone CBT6] (V2949)

Catalog No.	Formulation	Size
V2949-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2949-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2949SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

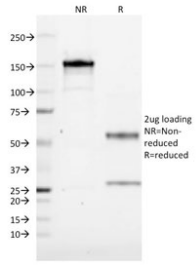
Citations (2)

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	CBT6
Purity	Protein G affinity chromatography
UniProt	P06126
Localization	Cell surface, cytoplasmic
Applications	Flow cytometry: 1-2ug/million cells Immunofluorescence: 1-2ug/ml
Limitations	This CD1A antibody is available for research use only.



CD1A Antibody for FACS Clone CBT6. Flow cytometry analysis of CD1A / CD1a expression in human Molt-4 cells using CD1A Antibody for FACS Clone CBT6. The histogram shows a clear rightward fluorescence shift of CD1a-positive cells (blue) compared to the isotype control (red), supporting specific cell surface detection. The staining pattern enables detailed immune phenotyping, including evaluation of CD1a-positive subsets and integration into multiparameter panels for marker co-expression and population profiling.



SDS-PAGE analysis of purified, BSA-free CD1A antibody (clone CBT6) as confirmation of integrity and purity.

Description

CD1 molecule alpha 1 (CD1A) is a transmembrane antigen-presenting glycoprotein encoded by CD1A and expressed on specialized immune cell populations involved in lipid antigen presentation and T-cell activation. CD1A Antibody for FACS Clone CBT6 is optimized for flow cytometry-based immune phenotyping, where CD1a expression is used to define and characterize immune cell subsets within complex populations. CD1A antibody, also referred to as CD1a antibody or T-cell surface glycoprotein CD1a antibody, is particularly valuable in suspension assays where cell identity is determined through surface marker combinations.

Flow cytometry phenotyping relies on multiparameter analysis, and CD1a is commonly used as part of panels designed to resolve dendritic cells, thymocyte-associated populations, and antigen-presenting subsets. A mouse monoclonal clone CBT6 antibody supports this application by enabling consistent detection of CD1a across different sample types, including blood-derived cells, tissue dissociates, and in vitro cultured immune systems. This CD1A Antibody for FACS Clone CBT6 is therefore positioned for studies focused on marker co-expression and subset classification rather than simple positive versus negative gating alone.

CD1a expression is frequently analyzed alongside additional lineage and activation markers, allowing researchers to construct detailed immune phenotypes and compare population distributions under different biological conditions. A CD1a Flow Cytometry Antibody in this context contributes to understanding immune composition, differentiation states, and cellular relationships within complex systems. Clone CBT6, which has been reported in a publication, provides a defined monoclonal option for researchers conducting structured immune phenotyping experiments.

CD1a is commonly evaluated alongside additional lineage and activation markers, allowing researchers to construct detailed phenotypic profiles of immune cell populations. In flow cytometry panels, this enables assessment of marker co-expression, comparison of subset frequencies, and analysis of immune composition across different biological conditions. CD1A Antibody for FACS Clone CBT6 (clone CBT6) supports these applications by providing consistent detection of CD1a within multiparameter immune phenotyping strategies.

A full range of CD1A antibody reagents for immunohistochemistry, western blot, and flow cytometry is available on our CD1A Antibody collection page.

Application Notes

Optimal dilution of the CD1A Antibody for FACS Clone CBT6 / Immune Phenotyping Antibody should be determined by the researcher.

Immunogen

Human recombinant protein was used as the immunogen for the CD1A Antibody for FACS Clone CBT6 / Immune Phenotyping Antibody.

Storage

Store the CD1A antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

CD1a flow cytometry antibody, immune phenotyping CD1A antibody, dendritic cell profiling antibody, T-cell surface glycoprotein CD1a antibody, clone CBT6 antibody

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