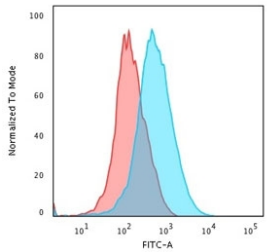
CD1A Antibody for FACS Clone SPM120 / Cell Sorting Antibody [clone SPM120] (V7376)

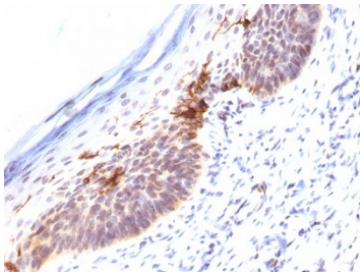
Catalog No.	Formulation	Size
V7376-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7376-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7376SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7376IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	SPM120
Purity	Protein G affinity chromatography
UniProt	P06126
Localization	Cell surface, cytoplasmic
Applications	Flow cytometry: 1-2ug/10^6 cells Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This CD1A antibody is available for research use only.



CD1A Antibody for FACS Clone SPM120. Flow cytometry analysis of CD1A / CD1a expression in human Jurkat cells using CD1A Antibody for FACS Clone SPM120. The histogram shows a rightward fluorescence shift of stained cells (blue) compared to the isotype control (red), indicating detectable surface signal. This staining profile supports identification of CD1a-positive events and enables downstream cell sorting and enrichment of defined immune cell subsets for further analysis.



IHC staining of FFPE human skin with CD1A antibody (clone SPM120). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.

Description

CD1 molecule alpha 1 (CD1A) is a membrane-associated glycoprotein encoded by the CD1A gene that functions in lipid antigen presentation to T cells and serves as a widely used surface marker in immunology research. CD1A Antibody for FACS Clone SPM120 is specifically positioned for flow cytometry applications focused on cell sorting and isolation of CD1a-positive immune populations from heterogeneous samples. CD1A antibody, also known as CD1a antibody or T-cell surface glycoprotein CD1a antibody, is particularly suitable for suspension-based assays due to its accessible membrane expression.

Flow cytometry not only enables detection of marker expression but also allows physical separation of defined cell populations. CD1a is frequently used as a sorting marker for dendritic cells and related antigen-presenting subsets, where enrichment or purification of CD1a-positive cells is required prior to downstream functional or molecular analysis. A mouse monoclonal clone SPM120 antibody supports these applications by enabling reliable identification of CD1a-expressing cells suitable for isolation. This CD1A Antibody for FACS Clone SPM120 is therefore aligned with experiments involving cell sorting, subset enrichment, and preparative immunology workflows.

CD1a-positive populations, including Langerhans cells and dendritic subsets, are often isolated for studies involving gene expression profiling, functional assays, or in vitro modeling. A CD1a Flow Cytometry Antibody enables researchers to distinguish these populations and physically separate them using sorting instrumentation, making it a critical component of experiments that extend beyond simple detection. Clone SPM120 provides a distinct monoclonal option for these purposes, allowing this page to focus specifically on isolation-based applications.

CD1a-positive populations, including dendritic cells and Langerhans cells, are often isolated for downstream functional studies, gene expression analysis, or in vitro assays. Flow cytometry enables both identification and physical separation of these populations based on surface marker expression. CD1A Antibody for FACS Clone SPM120 (clone SPM120) supports reliable detection of CD1a-expressing cells, enabling efficient sorting and enrichment of defined immune subsets for further experimental use.

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

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the CD1A Antibody for FACS Clone SPM120 / Cell Sorting Antibody to be titered up or down for optimal performance.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Human thymus cells were used as the immunogen for this CD1A Antibody for FACS Clone SPM120 / Cell Sorting 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, CD1A cell sorting antibody, immune subset isolation antibody, T-cell surface glycoprotein CD1a antibody, clone SPM120 antibody

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