abcam

ab326459

APC Anti-CD1A antibody [HI149]

Key facts

Isotype	IgG1
Host species	Mouse
Conjugation	APC
Excitation/Emission	Ex: 650nm, Em: 660nm
Storage buffer	pH: 7.4 Preservative: 0.098% Sodium azide Constituents: PBS, 0.2% BSA
Form	Liquid
Clonality	Monoclonal
Clone number	HI149
Purification technique	Size-exclusion chromatography
Specificity	The antibody HI149 reacts with an extracellular epitope of CD1a (T6), a 49 kDa polypeptide associated with beta2-microglobulin expressed on cortical thymocytes (strongly), Langerhans cells, dendritic cells and some T cell leukemias and lymphomas. The antibody does not react with peripheral blood T and B lymphocytes, monocytes, granulocytes, platelets and erythrocytes.
Purification notes	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	-
Notes	Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

Target data

See full target information CD1A

Function	Antigen-presenting protein that binds self and non-self lipid and glycolipid antigens and presents them to T-cell receptors on natural killer T-cells.

Storage

Shipped at conditions	Ambient - Can Ship with Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze, Store in the dark

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

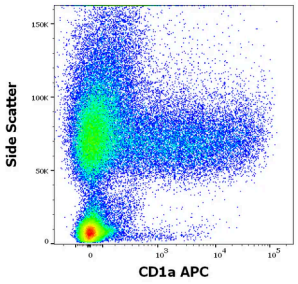
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

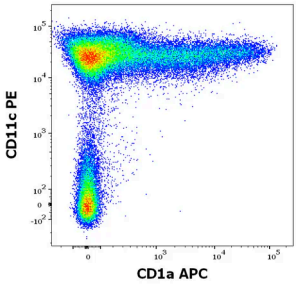
4 product images



Flow Cytometry - APC Anti-CD1A antibody [HI149] (ab326459)

CD1A Flow Cytometry staining of human stimulated (GM-CSF + IL-4) peripheral blood mononuclear cells using mouse Anti-CD1A antibody

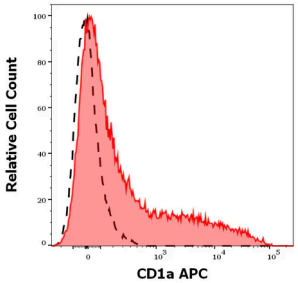
Flow cytometry surface staining pattern of human stimulated (GM-CSF + IL-4) peripheral blood mononuclear cells stained using ab326459 (concentration in sample 0.5 µg/ml).



Flow Cytometry - APC Anti-CD1A antibody [HI149] (ab326459)

CD1A Flow Cytometry staining of human stimulated (GM-CSF + IL-4) peripheral blood mononuclear cells using mouse Anti-CD1A antibody

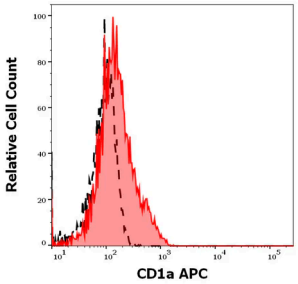
Flow cytometry multicolor surface staining pattern of human stimulated (GM-CSF + IL-4) peripheral blood mononuclear cells stained using ab326459 (concentration in sample 0.5 µg/ml) and anti-human CD11c (BU15) PE antibody (20 µl reagent per million cells in 100 µl of cell suspension).



Flow Cytometry - APC Anti-CD1A antibody [HI149] (ab326459)

CD1A Flow Cytometry staining of human stimulated (GM-CSF + IL-4) peripheral blood mononuclear cells using mouse Anti-CD1A antibody

Separation of CD11c positive cells stained using ab326459 (concentration in sample 0.5 µg/ml, red-filled) from CD11c positive cells stained using mouse IgG1 isotype control (MOPC-21) APC antibody (concentration in sample 0.5 µg/ml, same as CD1a APC concentration, black-dashed) in flow cytometry analysis (surface staining) of human stimulated (GM-CSF + IL-4) peripheral blood mononuclear cells.



Flow Cytometry - APC Anti-CD1A antibody [HI149] (ab326459)

CD1A Flow Cytometry staining of MOLT-4 cells using mouse Anti-CD1A antibody

Separation of MOLT-4 cells stained using ab326459 (concentration in sample 4 µg/m, red-filled) from MOLT-4 cells stained using mouse IgG1 isotype control (MOPC-21) APC antibody (concentration in sample 4 µg/ml, same as CD1a APC concentration, black-dashed) in flow cytometry analysis (surface staining).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.