abcam

ab326476

APC Anti-CD1b antibody [SN13]

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	SN13
Purification technique	Size-exclusion chromatography
Specificity	The mouse monoclonal antibody SN13 (also known as K5-1B8) recognizes an extracellular epitope of CD1b, a 44 kDa type I glycoprotein associated with beta2-microglobulin. It is expressed on dendritic cells, Langerhans cells, thymocytes, and T acute lymphoblastic leukemia cells.
Light chain type	kappa
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 CD1B

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

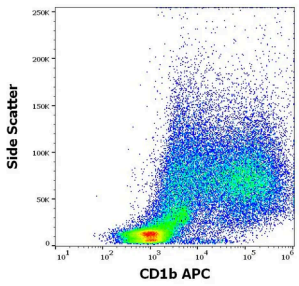
We do not recommend this combination. It is not covered by our product promise.

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.

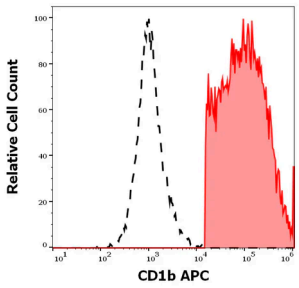
3 product images



Flow Cytometry - APC Anti-CD1b antibody [SN13] (ab326476)

CD1b Flow Cytometry staining of human stimulated (GM-CSF + IL-4) peripheral blood mononuclear cells using mouse Anti-CD1b antibody

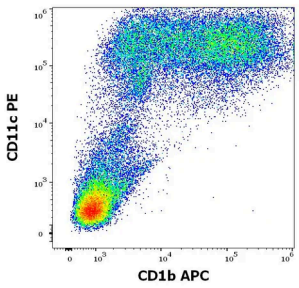
Flow cytometry surface staining pattern of human stimulated (GM-CSF + IL-4) peripheral blood mononuclear cells stained using ab326476 (10 µl reagent per million cells in 100 µl of cell suspension).



Flow Cytometry - APC Anti-CD1b antibody [SN13] (ab326476)

CD1b Flow Cytometry staining of human stimulated (GM-CSF + IL-4) peripheral blood mononuclear cells using mouse Anti-CD1b antibody

Separation of human CD11c positive CD1b positive cells (red-filled) from CD11c negative CD1b negative cells (black-dashed) in flow cytometry analysis (surface staining) of human stimulated (GM-CSF + IL-4) peripheral blood mononuclear cells stained using ab326476 (10 µl reagent per million cells in 100 µl of cell suspension).



Flow Cytometry - APC Anti-CD1b antibody [SN13] (ab326476)

CD1b Flow Cytometry staining of human stimulated (GM-CSF + IL-4) peripheral blood mononuclear cells using mouse Anti-CD1b antibody

Flow cytometry multicolor surface staining pattern of human stimulated (GM-CSF + IL-4) peripheral blood mononuclear cells using ab326476 (10 µl reagent per million cells in 100 µl of cell suspension) and anti-human CD11c (BU15) PE antibody (20 µl reagent per million cells in 100 µl of cell suspension).

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