

Product datasheet

APC Anti-Sialoadhesin/CD169 antibody [7-239] ab272341

[3 Images](#)

Overview

| | |
|----------------------------|---|
| Product name | APC Anti-Sialoadhesin/CD169 antibody [7-239] |
| Description | APC Mouse monoclonal [7-239] to Sialoadhesin/CD169 |
| Host species | Mouse |
| Conjugation | APC. Ex: 645nm, Em: 660nm |
| Tested applications | Suitable for: Flow Cyt |
| Species reactivity | Reacts with: Human |
| Immunogen | Tissue, cells or virus. Human rhinovirus 14-infected monocyte-derived dendritic cells. |
| Epitope | Extracellular |
| Positive control | Flow Cyt: TNF-alpha and INF-gamma stimulated human peripheral blood mononuclear cells. |
| General notes | <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p> |

Properties

| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C. Store In the Dark. |
| Storage buffer | pH: 7.4 Preservative: 0.0975% Sodium azide Constituent: PBS |
| Purity | Size exclusion |
| Purification notes | Purified from TCS. |
| Clonality | Monoclonal |
| Clone number | 7-239 |

Isotype

IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab272341 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|---|
| Flow Cyt | | Use at an assay dependent concentration. 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. |

Target

Function

Acts as an endocytic receptor mediating clathrin dependent endocytosis. Macrophage-restricted adhesion molecule that mediates sialic-acid dependent binding to lymphocytes, including granulocytes, monocytes, natural killer cells, B-cells and CD8 T-cells. Preferentially binds to alpha-2,3-linked sialic acid (By similarity). Binds to SPN/CD43 on T-cells (By similarity). May play a role in hemopoiesis.

Tissue specificity

Expressed by macrophages in various tissues. High levels are found in spleen, lymph node, perivascular macrophages in brain and lower levels in bone marrow, liver Kupffer cells and lamina propria of colon and lung. Also expressed by inflammatory macrophages in rheumatoid arthritis.

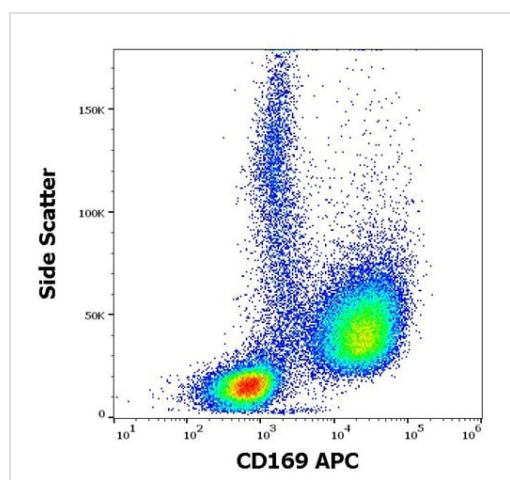
Sequence similarities

Belongs to the immunoglobulin superfamily. SIGLEC (sialic acid binding Ig-like lectin) family. Contains 16 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain.

Cellular localization

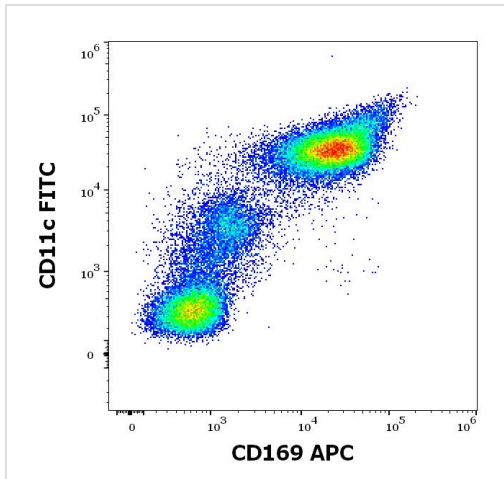
Secreted and Cell membrane.

Images



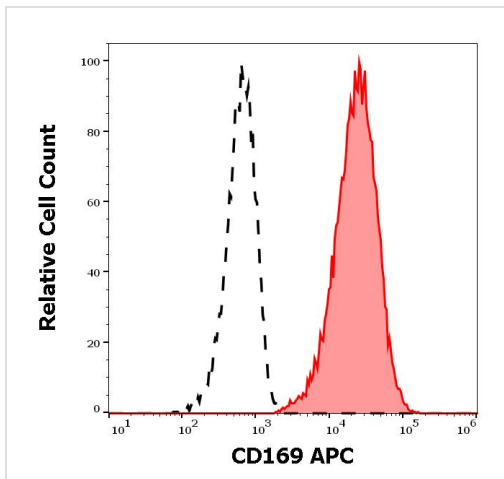
Flow cytometry surface staining pattern of human TNF- α and INF- γ stimulated peripheral blood mononuclear cells stained using ab272341 at 10 µl reagent per million cells in 100 µl of cell suspension.

Flow Cytometry - APC Anti-Sialoadhesin/CD169 antibody [7-239] (ab272341)



Flow Cytometry - APC Anti-Sialoadhesin/CD169 antibody [7-239] (ab272341)

Flow cytometry multicolor surface staining of human TNF- α and INF- γ stimulated peripheral blood mononuclear cells stained using ab272341 at 10 μ l reagent per million cells in 100 μ l of cell suspension and anti-human CD11c (BU15) FITC antibody (20 μ l reagent / 100 μ l of peripheral whole blood).



Flow Cytometry - APC Anti-Sialoadhesin/CD169 antibody [7-239] (ab272341)

Separation of human CD169 positive CD11c positive cells (red-filled) from CD169 negative CD11c negative cells (black-dashed) in flow cytometry analysis (surface staining) of human TNF- α and INF- γ stimulated peripheral blood mononuclear cells stained using ab272341 at 10 μ l reagent per million cells in 100 μ l of cell suspension.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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