

Product datasheet

FITC Anti-CD9 antibody [MEM-61] ab18241

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Overview

Product name	FITC Anti-CD9 antibody [MEM-61]
Description	FITC Mouse monoclonal [MEM-61] to CD9
Host species	Mouse
Conjugation	FITC. Ex: 493nm, Em: 528nm
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus corresponding to Human CD9. Pre-B cell line NALM6
Epitope	The antibody recognizes an epitope on second extracellular domain (EC2) of CD9 antigen, a 24 kDa protein belonging to tetraspans family (TM4SF).
Positive control	Flow Cyt: Human peripheral blood.
General notes	<p>The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use.</p> <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.
Storage buffer	pH: 7.40 Preservative: 0.097% Sodium azide Constituents: PBS, BSA
Purity	Protein G purified
Clonality	Monoclonal
Clone number	MEM-61

Isotype

IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab18241 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. 20 µL reagent / 100 µL of whole blood or 10^6 cells in a suspension.

Target

Function

Involved in platelet activation and aggregation. Regulates paranodal junction formation. Involved in cell adhesion, cell motility and tumor metastasis. Required for sperm-egg fusion.

Tissue specificity

Expressed by a variety of hematopoietic and epithelial cells.

Sequence similarities

Belongs to the tetraspanin (TM4SF) family.

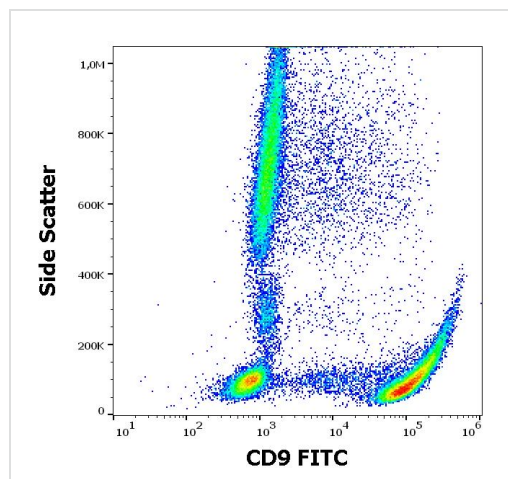
Post-translational modifications

Protein exists in three forms with molecular masses between 22 and 27 kDa, and is known to carry covalently linked fatty acids.

Cellular localization

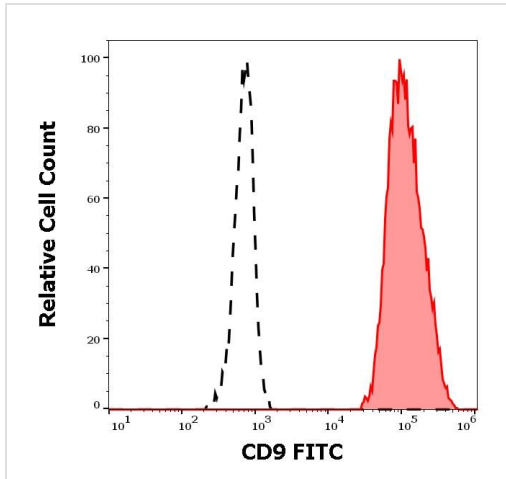
Membrane.

Images



Flow cytometry surface staining pattern of human peripheral whole blood stained labeling CD9 with ab18241 (20 µl reagent / 100 µl of peripheral whole blood).

Flow Cytometry - FITC Anti-CD9 antibody [MEM-61]
(ab18241)



Flow Cytometry - FITC Anti-CD9 antibody [MEM-61]
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Flow cytometry surface staining pattern of human peripheral whole blood stained labeling CD9 with ab18241 (20 μ l reagent / 100 μ l of peripheral whole blood). Histogram showing separation of CD9 positive thrombocytes (red-filled) from CD9 negative lymphocytes (black-dashed).

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

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