

### FITC Anti-CD9 antibody [MEM-61] ab18241

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#### Overview

<b>Product name</b>	FITC Anti-CD9 antibody [MEM-61]
<b>Description</b>	FITC Mouse monoclonal [MEM-61] to CD9
<b>Host species</b>	Mouse
<b>Conjugation</b>	FITC. Ex: 493nm, Em: 528nm
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Tissue, cells or virus corresponding to Human CD9. Pre-B cell line NALM6
<b>Epitope</b>	The antibody recognizes an epitope on second extracellular domain (EC2) of CD9 antigen, a 24 kDa protein belonging to tetraspans family (TM4SF).
<b>Positive control</b>	Flow Cyt: Human peripheral blood.
<b>General notes</b>	<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&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	<p>pH: 7.40</p> <p>Preservative: 0.097% Sodium azide</p> <p>Constituents: PBS, BSA</p>
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	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.

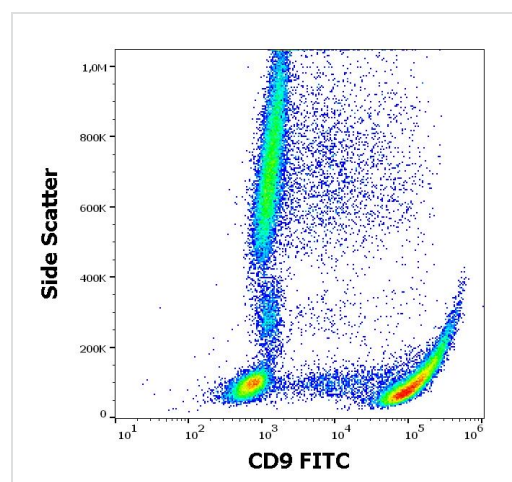
### Post-translational modifications

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

### Cellular localization

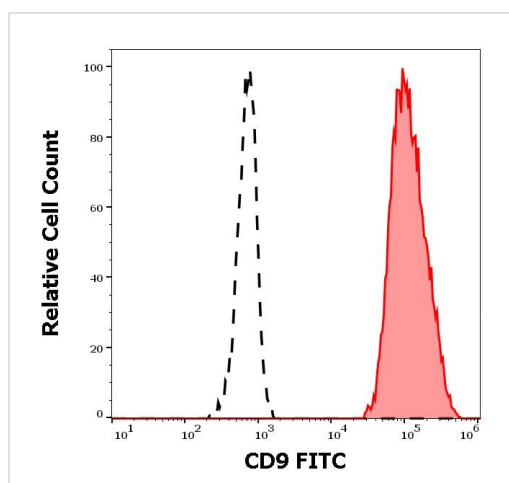
Membrane.

## 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 µl reagent / 100 µl 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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