

Datasheet for ABIN94244

**anti-CD9 antibody**

4 Images

3 Publications

[Go to Product page](#)

## Overview

Quantity:	0.1 mg
Target:	CD9
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD9 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Cytometry by Time of Flight (CyTOF)

## Product Details

Immunogen:	Pre-B cell line NALM-6.
Clone:	MEM-61
Isotype:	IgG1
Specificity:	The antibody MEM-61 recognizes an epitope on second extracellular domain (EC2) of CD9 antigen, a 24 kDa transmembrane protein expressed on platelets, monocytes, pre-B lymphocytes, granulocytes and activated T lymphocytes.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

## Target Details

Target:	CD9
Alternative Name:	CD9 ( <a href="#">CD9 Products</a> )
Background:	CD9 Molecule,CD9 belongs to proteins of tetraspanin family that orchestrate cholesterol-associated tetraspanin-enriched signaling microdomains within the plasma membrane, forming complexes with each other as well as with integrins, membrane-anchored growth factors and other proteins. CD9 is involved in cell motility, osteoclastogenesis, neurite outgrowth, myotube formation, and sperm-egg fusion, plays roles in cell attachment and proliferation and is necessary for association of heterologous MHC II molecules on the dendritic cell plasma membrane which is important for effective T cell stimulation. CD9 is also considered as metastasis suppressor in solid tumors.,MIC3, MRP-1, BTCC-1, DRAP-27, TSPAN29, BA2
Gene ID:	928
UniProt:	<a href="#">P21926</a>
Pathways:	<a href="#">Response to Water Deprivation</a> , <a href="#">Cell-Cell Junction Organization</a>

## Application Details

Application Notes:	Flow cytometry: Recommended dilution: 1-4 µg/mL. Western blotting: Recommended dilution: 2-4 µg/mL, non-reducing conditions. Immunohistochemistry (paraffin sections): Recommended dilution: 20 µg/mL, positive tissue: prostate.
Restrictions:	For Research Use only

## Handling

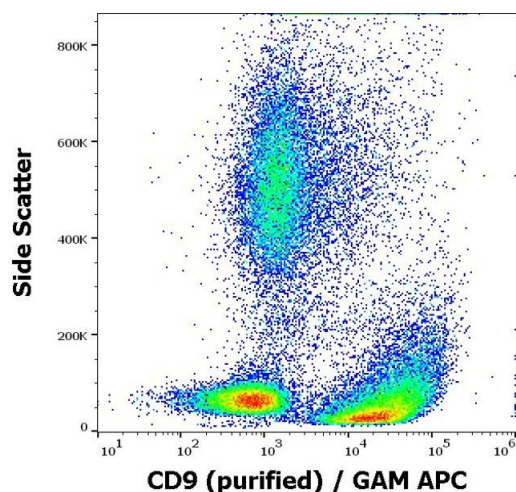
Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	<b>Do not freeze.</b>
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

Product cited in: Lafleur, Xu, Hemler: "Tetraspanin proteins regulate membrane type-1 matrix metalloproteinase-dependent pericellular proteolysis." in: **Molecular biology of the cell**, Vol. 20, Issue 7, pp. 2030-40, (2009) ([PubMed](#)).

Singh, Sugimoto, Dhawan, Harris: "Juxtacrine activation of EGFR regulates claudin expression and increases transepithelial resistance." in: **American journal of physiology. Cell physiology**, Vol. 293, Issue 5, pp. C1660-8, (2007) ([PubMed](#)).

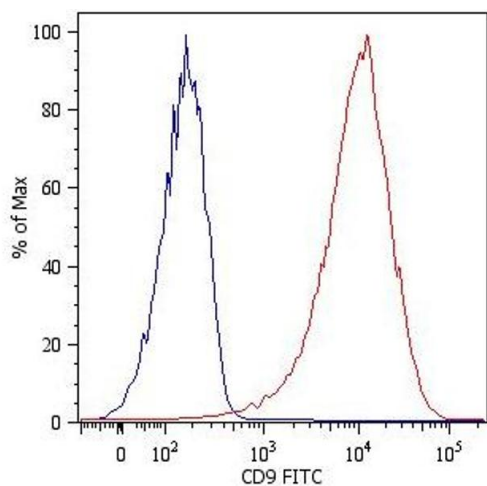
Stöckl, Majdic, Fischer, Maurer, Knapp: "Monomorphic molecules function as additional recognition structures on haptenated target cells for HLA-A1-restricted, hapten-specific CTL." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 167, Issue 5, pp. 2724-33, (2001) ([PubMed](#)).

## Images



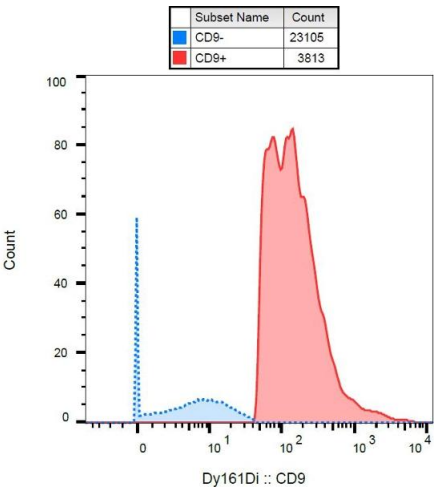
### Flow Cytometry

**Image 1.** Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD9 (MEM-61) purified antibody (concentration in sample 3 µg/mL, GAM APC).



### Flow Cytometry

**Image 2.** Surface staining of NALM-6 human pre-B cell leukemia cell line with anti-human CD9 (MEM-61) FITC. Total viable cells were used for analysis.



Cytometry by Time of Flight

**Image 3.** Mass cytometry (surface staining) of PBMC after Ficoll-Paque separation with anti-human CD9 (MEM-61) Dy161.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN94244.