

Product datasheet

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ARG53912 anti-CD9 antibody [MEM-61] (APC)

Package: 100 tests Store at: 4°C

Summary

Product Description APC-conjugated Mouse Monoclonal antibody [MEM-61] recognizes CD9

Tested Reactivity Hu
Tested Application FACS

Specificity The clone 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. HLDA VI; WS Code P P-15

Host Mouse

Clonality Monoclonal

Clone MEM-61

Isotype IgG1

Target Name CD9

Immunogen Pre-B cell line NALM-6.

Conjugation APC

Alternate Names Leukocyte antigen MIC3; BTCC-1; TSPAN-29; MIC3; Tetraspanin-29; p24; Cell growth-inhibiting gene 2

protein; CD9 antigen; MRP-1; DRAP-27; 5H9 antigen; CD antigen CD9; TSPAN29; Motility-related

protein; Tspan-29

Application Instructions

Application table	Application	Dilution
	FACS	10 μl / 10^6 cells
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form Liquid

Purification Note The purified antibody is conjugated with cross-linked Allophycocyanin (APC) under optimum conditions.

The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No

reconstitution is necessary.

Buffer PBS, 15 mM Sodium azide and 0.2% (w/v) high-grade protease free BSA

Preservative 15 mM Sodium azide

Stabilizer 0.2% (w/v) high-grade protease free BSA

Storage instruction Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid

repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be

gently mixed before use.

Bioinformation

Database links <u>GeneID: 928 Human</u>

Swiss-port # P21926 Human

Gene Symbol CD9

Gene Full Name CD9 molecule

Background 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.

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. [UniProt]

Highlight Related products:

CD9 antibodies; CD9 ELISA Kits; Anti-Mouse IgG secondary antibodies;

Related news:

Tools for studying Exosomes

Research Area Cell Biology and Cellular Response antibody; Developmental Biology antibody; Immune System

antibody

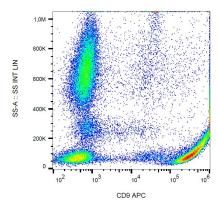
Calculated Mw 25 kDa

PTM Palmitoylated at a low, basal level in unstimulated platelets. The level of palmitoylation increases when

platelets are activated by thrombin (in vitro). The protein exists in three forms with molecular masses

between 22 and 27 kDa, and is known to carry covalently linked fatty acids.

Images



ARG53912 anti-CD9 antibody [MEM-61] (APC) FACS image

Flow Cytometry: Human peripheral blood stained with ARG53912 anti-CD9 antibody [MEM-61] (APC).