

ARG21249 anti-CD9 antibody [MM2/57] (PE)

Package: 50 tests

Store at: 4°C

Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [MM2/57] recognizes CD9
Tested Reactivity	Hu, Cat, Dog, Hm, Rb
Tested Application	FACS, ICC/IF, IHC-Fr, WB
Specificity	Human/Hamster/Canine/Feline/Monkey/Rabbit/Raccoon CD9.
Host	Mouse
Clonality	Monoclonal
Clone	MM2/57
Isotype	IgG2b, kappa
Target Name	CD9
Species	Human
Conjugation	PE
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
	ICC/IF	Assay-dependent
	IHC-Fr	Assay-dependent
	WB	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Buffer	PBS, 0.1% Sodium azide and Sucrose.
Preservative	0.1% Sodium azide
Stabilizer	Sucrose
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.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 928 Human](#)

[Swiss-port # P21926 Human](#)

Gene Symbol

CD9

Gene Full Name

CD9 molecule

Background

This gene encodes a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Tetraspanins are cell surface glycoproteins with four transmembrane domains that form multimeric complexes with other cell surface proteins. The encoded protein functions in many cellular processes including differentiation, adhesion, and signal transduction, and expression of this gene plays a critical role in the suppression of cancer cell motility and metastasis. [provided by RefSeq, Jan 2011]

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](#)

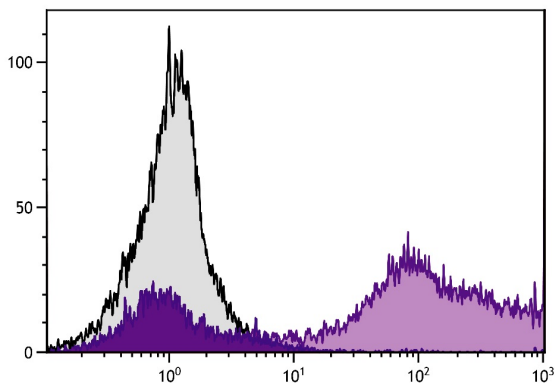
Calculated Mw

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



ARG21249 anti-CD9 antibody [MM2/57] (PE) FACS image

Flow Cytometry: Human peripheral blood stained with ARG21249 anti-CD9 antibody [MM2/57] (PE).