

ARG21247 anti-CD9 antibody [MM2/57]

Package: 100 µg
Store at: -20°C

Summary

| | |
|---------------------|---|
| Product Description | Mouse Monoclonal antibody [MM2/57] recognizes CD9 |
| Tested Reactivity | Hu, Cat, Dog, Hm, Rb |
| Tested Application | FACS, ICC/IF, IHC-Fr, IP, 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 | Un-conjugated |
| 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 | < 1 µg/10 ⁶ cells |
| | ICC/IF | Assay-dependent |
| | IHC-Fr | Assay-dependent |
| | IP | 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 | BBS (pH 8.2) |
| Concentration | 0.1 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. 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 Detecting exosomal PD-L1 secreted by cancer cells New antibodies for exosome isolation |
| 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. |