

## Mouse CD9 Monoclonal Antibody | anti-CD9 antibody

Mouse Monoclonal [clone HI9a] (IgG1,k) to Human CD9

| CATALOG # | HOST  | REACTIVITY                               | APPLICATIONS                                           |
|-----------|-------|------------------------------------------|--------------------------------------------------------|
| AAA51795  | Mouse | Bovine, Dog, Horse, Human, Rabbit, Sheep | Flow Cytometry, Functional Assay, Immunohistochemistry |

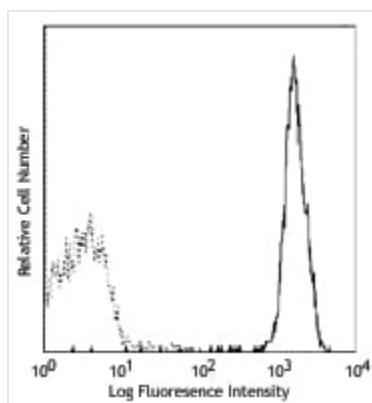
### PRODUCT SYNONYMS

CD9; Monoclonal Antibody; Mouse Monoclonal [clone HI9a] (IgG1; k) to Human CD9; Anti-CD9 Antibody (clone HI9a) IHC-plus; 5H9 antigen; BA2; BA-2/p24 antigen; CD9 antigen; CD9 antigen (p24); DRAP-27; MIC3; MRP-1; Leukocyte antigen MIC3; Tetraspanin-29; TSPAN29; BTCC-1; CD9 molecule; Motility related protein-1; Motility-related protein; TSPAN-29; Human CD9; anti-CD9 antibody

### PRODUCT SPECIFICATIONS

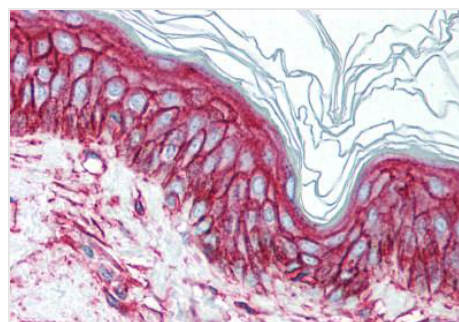
|                                               |                                                       |
|-----------------------------------------------|-------------------------------------------------------|
| Host                                          | Mouse                                                 |
| Reactivity                                    | Bovine, Dog, Horse, Human, Rabbit, Sheep              |
| Clonality                                     | Monoclonal                                            |
| Isotype                                       | IgG1,k                                                |
| Clone Number                                  | HI9a                                                  |
| Purity/Purification                           | Affinity Purified                                     |
| Form/Format                                   | PBS, pH 7.2, 0.09% sodium azide.                      |
| Concentration                                 | 0.5 mg/ml (varies by lot)                             |
| Sequence Length                               | 228                                                   |
| Applicable Applications for anti-CD9 antibody | FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry) |
| Target Species                                | Human                                                 |
| Preparation and Storage                       | Store undiluted at 4 degrees C                        |

### IMAGES



#### FCM/FACS (Flow Cytometry)

Human platelets stained with purified HI9a, then detected with anti-mouse IgGs FITC.



#### IHC (Immunohistochemistry)

Anti-CD9 antibody IHC of human skin. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CD9 antibody | CD9 is a member of the tetraspan family of membrane proteins. First described on non-T acute lymphoblastic leukemia cells and developing B-lymphocytes it has since been shown to be involved in platelet activation and aggregation, gamete fusion, cell adhesion, cell motility, tumor metastasis, and intracellular signaling in the nervous system. |
| Product Categories/Family for anti-CD9 antibody   | Family: <a href="#">Tetraspan</a>                                                                                                                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                          |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">4502693</a>                                                                                                                                                  |
| NCBI GeneID                      | <a href="#">928</a>                                                                                                                                                      |
| NCBI Accession #                 | <a href="#">NP_001760.1</a>                                                                                                                                              |
| NCBI GenBank Nucleotide #        | <a href="#">NM_001769.3</a>                                                                                                                                              |
| UniProt Accession #              | <a href="#">P21926</a> ; <a href="#">Q5J7W6</a> ; <a href="#">Q96ES4</a> ; <a href="#">D3DUQ9</a>                                                                        |
| Molecular Weight                 | 25,416 Da                                                                                                                                                                |
| NCBI Official Full Name          | CD9 antigen                                                                                                                                                              |
| NCBI Official Synonym Full Names | CD9 molecule                                                                                                                                                             |
| NCBI Official Symbol             | CD9                                                                                                                                                                      |
| NCBI Official Synonym Symbols    | MIC3; MRP-1; BTCC-1; DRAP-27; TSPAN29; TSPAN-29                                                                                                                          |
| NCBI Protein Information         | CD9 antigen; 5H9 antigen; tetraspanin-29; BA-2/p24 antigen; CD9 antigen (p24); leukocyte antigen MIC3; motility related protein-1; cell growth-inhibiting gene 2 protein |
| UniProt Protein Name             | CD9 antigen                                                                                                                                                              |
| UniProt Gene Name                | <b>CD9</b>                                                                                                                                                               |
| UniProt Synonym Gene Names       | MIC3; TSPAN29; MRP-1; Tspan-29                                                                                                                                           |
| UniProt Entry Name               | CD9_HUMAN                                                                                                                                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/cd9-antibody-clone-hi9a-flow-cytometry-immunohistochemistry-elisa/51795>