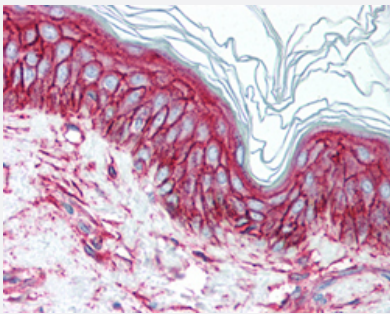


CD9 monoclonal antibody, clone HI9a

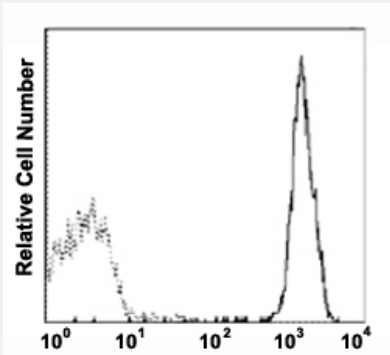
Catalog # MAB12535 Size 50 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human skin with CD9 monoclonal antibody, clone HI9a (Cat # MAB12535) at 10 ug/mL working concentration.



Flow Cytometry

Flow cytometric analysis of human platelets with CD9 monoclonal antibody, clone HI9a (Cat # MAB12535) followed by FITC-conjugated anti-mouse IgG as the secondary antibody.

Specification

| | |
|---------------------|---|
| Product Description | Mouse monoclonal antibody raised against human CD9. |
| Immunogen | Human CD9 |
| Host | Mouse |
| Reactivity | Human |
| Form | Liquid |
| Purification | Affinity purification |

| | |
|---------------------|--|
| Isotype | IgG1, kappa |
| Recommend Usage | Flow Cytometry (0.5 ug/10 ⁶ cells) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (10 ug/mL) The optimal working dilution should be determined by the end user. |
| Storage Buffer | In PBS, pH 7.2 (0.09% sodium azide). |
| Storage Instruction | Store at 4°C. Do not freeze. |
| Note | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human skin with CD9 monoclonal antibody, clone HI9a (Cat # MAB12535) at 10 ug/mL working concentration.

- Flow Cytometry

Flow cytometric analysis of human platelets with CD9 monoclonal antibody, clone HI9a (Cat # MAB12535) followed by FITC-conjugated anti-mouse IgG as the secondary antibody.

Gene Info — CD9

| | |
|------------------|--|
| Entrez GeneID | 928 |
| Gene Name | CD9 |
| Gene Alias | 5H9, BA2, BTCC-1, DRAP-27, GIG2, MIC3, MRP-1, P24, TSPAN29 |
| Gene Description | CD9 molecule |
| Omim ID | 143030 |
| Gene Ontology | Hyperlink |
| Gene Summary | The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins and other transmembrane 4 superfamily proteins. It can modulate cell adhesion and migration and also trigger platelet activation and aggregation. In addition, the protein appears to promote muscle cell fusion and support myotube maintenance. [provided by RefSeq] |

Other Designations

5H9 antigen|CD9 antigen|CD9 antigen (p24)|OTTHUMP00000041574|OTTHUMP00000041576|
antigen defined by monoclonal antibody 602-29|growth-inhibiting gene 2 protein|leukocyte antigen
MIC3|motility related protein|motility related protein-1|p24 antigen

Pathway

- [Hematopoietic cell lineage](#)

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Infertility](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)