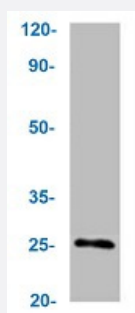


RecomAb™

# CD9 recombinant monoclonal antibody, clone 3A2

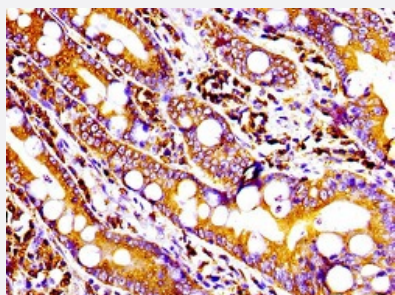
Catalog # RAB04182      Size 100 uL

## Applications



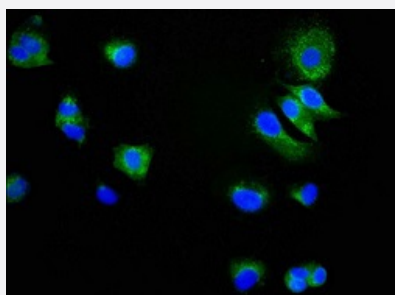
### Western Blot (Cell lysate)

Western blot analysis of U87 whole cell lysate with CD9 recombinant monoclonal antibody, clone 3A2 (Cat # RAB04182).



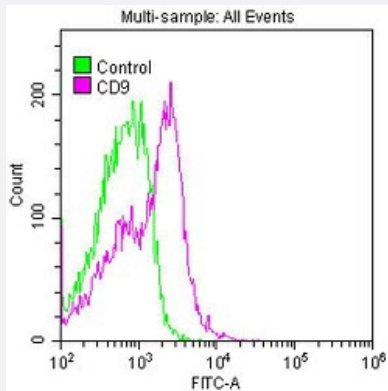
### Immunohistochemistry

Immunohistochemical staining of human small intestine tissue with CD9 recombinant monoclonal antibody, clone 3A2 (Cat # RAB04182) (diluted at 1:100).



### Immunofluorescence

Immunofluorescent staining of MCF-7 cells with CD9 recombinant monoclonal antibody, clone 3A2 (Cat # RAB04182) (diluted at 1:34). The secondary antibody was Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).



## Flow Cytometry

Flow cytometric analysis of Jurkat cells with CD9 recombinant monoclonal antibody, clone 3A2 (Cat # RAB04182) (diluted at 1:50; purple line) and negative control (green line).

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human CD9.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against a synthetic peptide corresponding to human CD9.
<b>Theoretical MW (kDa)</b>	Calculated MW: 25 kD
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Affinity chromatography
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	ELISA Flow Cytometry Immunofluorescence (1:30-1:200) Immunohistochemistry (1:50-1:500) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
<b>Storage Instruction</b>	store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western blot analysis of U87 whole cell lysate with CD9 recombinant monoclonal antibody, clone 3A2 (Cat # RAB04182).

- Immunohistochemistry

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- Immunofluorescence

Immunofluorescent staining of MCF-7 cells with CD9 recombinant monoclonal antibody, clone 3A2 (Cat # RAB04182) (diluted at 1:34). The secondary antibody was Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometric analysis of Jurkat cells with CD9 recombinant monoclonal antibody, clone 3A2 (Cat # RAB04182) (diluted at 1:50; purple line) and negative control (green line).

## Gene Info — CD9

Entrez GeneID	<a href="#">928</a>
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Protein Accession#	<a href="#">P21926</a>
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Gene Name	CD9
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Gene Alias	5H9, BA2, BTCC-1, DRAP-27, GIG2, MIC3, MRP-1, P24, TSPAN29
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Gene Description	CD9 molecule
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Omim ID	<a href="#">143030</a>
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Gene Ontology	<a href="#">Hyperlink</a>
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**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](#)