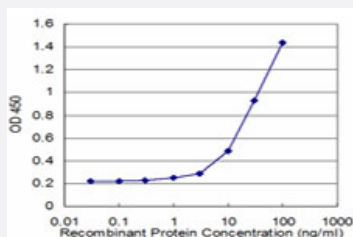


CD9 monoclonal antibody (M01), clone 4A2

Catalog # H00000928-M01

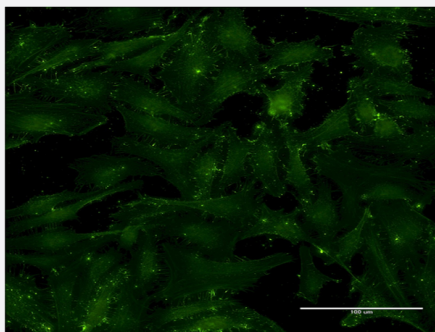
Size 100 ug

Applications



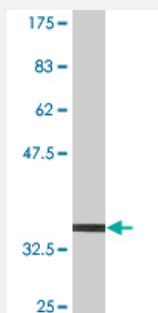
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CD9 is approximately 1ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to CD9 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (34.98 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant CD9.

Immunogen	CD9 (AAH11988, 112 a.a. ~ 195 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	SHKDEVIKEVQEFYKDTYNKLTKDEPQRETLKAIHYALNCCGLAGGVEQFISDICPKKDVLETFTV KSCPDAIKEVFDNKFHI
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (77); Rat (85)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (34.98 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CD9 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to CD9 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — CD9

Entrez GeneID [928](#)

GeneBank Accession# [BC011988](#)

Protein Accession#	AAH11988
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	<p>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]</p>
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](#)