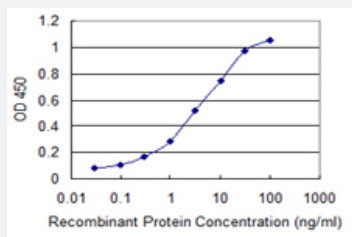


ITGA1 monoclonal antibody (M02), clone 4G11

Catalog # H00003672-M02

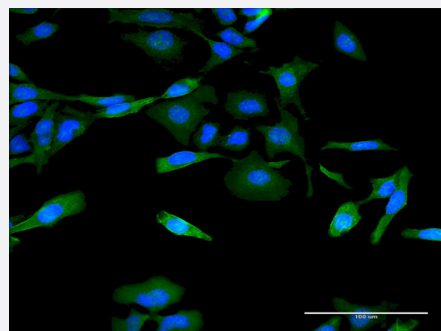
Size 100 ug

Applications



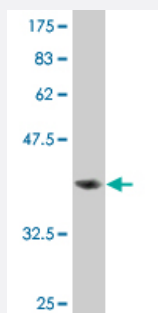
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ITGA1 is 0.03 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to ITGA1 on HeLa cell . [antibody concentration 40 ug/ml]



Western Blot detection against Immunogen (37.73 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant ITGA1.

Immunogen	ITGA1 (ENSP00000282588, 951 a.a. ~ 1059 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	QFYSSASEYHISIAANETVPEVINSTEDIGNEINIFYLIRKSGSFPMPELKLSISFPNMTSNGYPVLYPT GLSSSENANCRPHIFEDPFSINSGKKMTTSTDHLKRGTI
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.73 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 ITGA1 is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to ITGA1 on HeLa cell . [antibody concentration 40 ug/ml]

Gene Info — ITGA1

Entrez GeneID	3672
GeneBank Accession#	NM_181501
Protein Accession#	ENSP00000282588
Gene Name	ITGA1

Gene Alias	CD49a, VLA1
Gene Description	integrin, alpha 1
Omim ID	192968
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the alpha 1 subunit of integrin receptors. This protein heterodimerizes with the beta 1 subunit to form a cell-surface receptor for collagen and laminin. The heterodimeric receptor is involved in cell-cell adhesion and may play a role in inflammation and fibrosis. The alpha 1 subunit contains an inserted (I) von Willebrand factor type I domain which is thought to be involved in collagen binding. [provided by RefSeq]
Other Designations	laminin and collagen receptor very late activation protein 1

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [ECM-receptor interaction](#)
- [Focal adhesion](#)
- [Hematopoietic cell lineage](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fractures](#)
- [Genetic Predisposition to Disease](#)
- [Hearing Loss](#)
- [Osteoporosis](#)

- [Thromboembolism](#)
- [Thrombophilia](#)
- [Thyroid Neoplasms](#)
- [Tourette Syndrome](#)