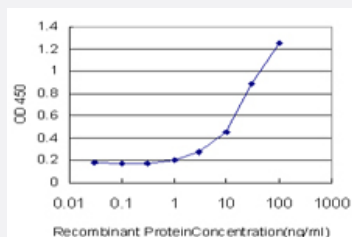


CAV3 monoclonal antibody (M03), clone 1G11

Catalog # H00000859-M03

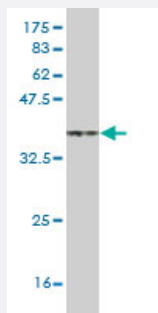
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CAV3 is approximately 1ng/ml as a capture antibody.



Western Blot detection against Immunogen (34.87 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant CAV3.

Immunogen

CAV3 (NP_001225, 1 a.a. ~ 83 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MMAEEHTDLEAQMKDIHCKEIDLVRDPKNNEDIVKVDVFEDVIAEPVGTYSFDGVWKVSYTTFTV
SKYWCYRLLSTLLGVP

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (94); Rat (94)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (34.87 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 CAV3 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — CAV3

Entrez GeneID	859
GeneBank Accession#	NM_001234
Protein Accession#	NP_001225
Gene Name	CAV3
Gene Alias	LGMD1C, LQT9, MGC126100, MGC126101, MGC126129, VIP-21, VIP21
Gene Description	caveolin 3
Omim ID	123320 192600 601253 606072 607801
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a caveolin family member, which functions as a component of the caveolae plasma membranes found in most cell types. Caveolin proteins are proposed to be scaffolding proteins for organizing and concentrating certain caveolin-interacting molecules. Mutations identified in this gene lead to interference with protein oligomerization or intra-cellular routing, disrupting caveolae formation and resulting in Limb-Girdle muscular dystrophy type-1C (LGMD-1C), hyperCKemia or rippling muscle disease (RMD). Alternative splicing has been identified for this locus, with inclusion or exclusion of a differentially spliced intron. In addition, transcripts utilize multiple polyA sites and contain two potential translation initiation sites. [provided by RefSeq]

Other Designations

M-caveolin

Pathway

- [Focal adhesion](#)

Disease

- [Arrhythmia](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Liver Cirrhosis](#)
- [Long QT syndrome](#)
- [Sudden Infant Death](#)