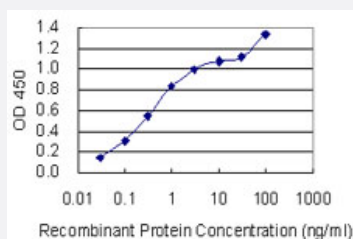


SGCD monoclonal antibody (M01), clone 3G10

Catalog # H00006444-M01

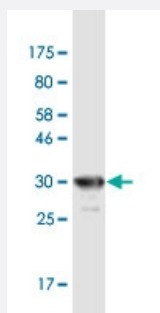
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

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



Western Blot detection against Immunogen (34.1 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant SGCD.

Immunogen

SGCD (NP_000328.2, 114 a.a. ~ 189 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

ILNDQTKVLTQLITGPKAVEAYGKKFEVKTVSGKLLFSADNNEVVVGAERLRVLGAEGTVFPKSIET
PNVRADPFK

Host

Mouse

Reactivity

Human

Isotype

IgG1 Kappa

Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (34.1 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 SGCD is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — SGCD

Entrez GeneID	6444
GeneBank Accession#	NM_000337
Protein Accession#	NP_000328.2
Gene Name	SGCD
Gene Alias	35DAG, CMD1L, DAGD, MGC22567, SG-delta, SGCDP, SGD
Gene Description	sarcoglycan, delta (35kDa dystrophin-associated glycoprotein)
Omim ID	601287 601411 606685
Gene Ontology	Hyperlink

Gene Summary	The protein encoded by this gene is one of the four known components of the sarcoglycan complex, which is a subcomplex of the dystrophin-glycoprotein complex (DGC). DGC forms a link between the F-actin cytoskeleton and the extracellular matrix. This protein is expressed most abundantly in skeletal and cardiac muscle. Mutations in this gene have been associated with autosomal recessive limb-girdle muscular dystrophy and dilated cardiomyopathy. Alternatively spliced transcript variants encoding distinct isoforms have been observed for this gene. [provided by RefSeq]
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Other Designations

35kD dystrophin-associated glycoprotein|delta-sarcoglycan|dystrophin associated glycoprotein, delta sarcoglycan|placental delta sarcoglycan|sarcoglycan, delta (35kD dystrophin-associated glycoprotein)

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)

Disease

- [Angina Pectoris](#)
- [Carcinoma](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Coronary Vasospasm](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)