

RecomAb™

# SGCD recombinant monoclonal antibody, clone R05-5C1

Catalog # RAB06457      Size 100 uL

## Specification

|                      |                                                                                                                                                                    |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description  | Rabbit recombinant monoclonal antibody raised against human SGCD.                                                                                                  |
| Antibody Species     | Rabbit                                                                                                                                                             |
| Immunogen            | Original antibody is raised against protein corresponding to full length human SGCD.                                                                               |
| Theoretical MW (kDa) | Calculated MW: 32 kD                                                                                                                                               |
| Reactivity           | Human                                                                                                                                                              |
| Form                 | Liquid                                                                                                                                                             |
| Purification         | Affinity chromatography                                                                                                                                            |
| Isotype              | IgG                                                                                                                                                                |
| Recommend Usage      | Immunohistochemistry (1:50-1:100)<br>Immunoprecipitation(1:20)<br>Western Blot (1:500-1:1000)<br>The optimal working dilution should be determined by the end use. |
| Storage Buffer       | In PBS, 150mM NaCl, pH 7.4 (50% glycerol and 0.02% sodium azide)                                                                                                   |
| Storage Instruction  | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                                                             |
| Note                 | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                             |

## Applications

- Western Blot
- Immunohistochemistry

- Immunoprecipitation

## Gene Info — SGCD

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">6444</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Protein Accession# | <a href="#">Q92629</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Name          | SGCD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Alias         | 35DAG, CMD1L, DAGD, MGC22567, SG-delta, SGCDP, SGD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene Description   | sarcoglycan, delta (35kDa dystrophin-associated glycoprotein)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Omim ID            | <a href="#">601287</a> <a href="#">601411</a> <a href="#">606685</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 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] |
| 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](#)