



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB10758 - Goat Anti-Delta-Sarcoglycan (aa245-257) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** SGCD, sarcoglycan, delta (35kDa dystrophin-associated glycoprotein), 35DAG, CMD1L, DAGD, MGC22567, SG-delta, SGCDP, SGD, 35kD

dystrophin-associated glycoprotein, delta-SG, delta-sarcoglycan, dystrophin associated

**Official Symbol:** SGCD

**Accession Number(s):** NP\_000328.2; NP\_758447.1; NP\_001121681.1

**Human GeneID(s):** [6444](#)

**Non-Human GeneID(s):** 24052 (mouse), 497892 (rat)

**Important Comments:** This antibody is expected to recognize isoform 1 (NP\_000328.2) and isoform 3 (NP\_001121681.1).

### Immunogen

Peptide with sequence C-RLPHGSYTPTGTR, from the internal region of the protein sequence according to NP\_000328.2; NP\_758447.1; NP\_001121681.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:16000.

**Western blot:** Approx 37kDa band observed in Human and Rat Heart lysates (calculated MW of 32.2kDa according to NP\_000328.2). The observed molecular weight corresponds to the glycosylated form. Recommended concentration: 0.1-0.3µg/ml.

**IHC:** In paraffin embedded Human Skeletal Muscle shows sarcolemmar staining of the fibres. Recommended concentration, 3-5µg/ml.

### Species Reactivity

**Tested:** Human, Rat

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig, Cow

EB10758 (0.1µg/ml) staining of Human Heart lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB10758 (3.8µg/ml) staining of paraffin embedded Human Skeletal Muscle. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.