

Human Delta-sarcoglycan (SGCD) ELISA Kit

Catalog No: #EK7346



Package Size: #EK7346-1 48T #EK7346-2 96T

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Description

Product Name	Human Delta-sarcoglycan (SGCD) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	35DAG; CMD1L; DAGD; MGC22567; SG-delta; SGCDP; SGD; 35kD dystrophin-associated glycoprotein delta-sarcoglycan dystrophin associated glycoprotein; delta sarcoglycan placental delta sarcoglycan
Accession No.	Q92629
Uniprot	Q92629
GeneID	6444;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:0.781-50 ng/mL

Sensitivity:0.28 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate SGCD in samples. An antibody specific for SGCD has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySGCD present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SGCD is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SGCD bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Delta-sarcoglycan is one of the four known components of the sarcoglycan complex, which is a subcomplex of the dystrophin-glycoprotein complex (DGC). The sarcoglycans are a family of transmembrane proteins involved in the protein complex responsible for connecting the muscle fibre cytoskeleton to the extracellular matrix, preventing damage the muscle fibre sarcolemma through shearing forces. This protein is expressed most abundantly in skeletal and cardiac muscle. The 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.In melanocytic cells SGCD gene expression may be regulated by MITF.

Note: This product is for in vitro research use only