

Human Delta-Sarcoglycan (SGCD) ELISA Kit | SGCD elisa kit

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CATALOG #
AAA330882

REACTIVITY
Human

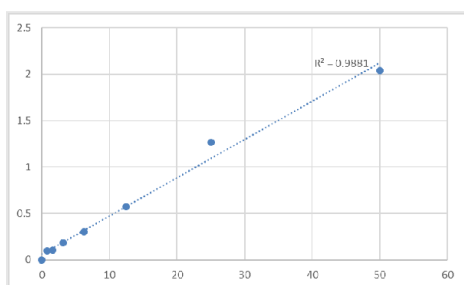
PRODUCT SYNONYMS

Delta-Sarcoglycan (SGCD); Human Delta-Sarcoglycan (SGCD) ELISA Kit; SGCD; 35DAG; CMD1L; DAGD; MGC22567; SG-delta; SGCDP; SGD; 35kD dystrophin-associated glycoprotein; delta-sarcoglycan; dystrophin associated glycoprotein; delta sarcoglycan; placental delta sarcoglycan; SGCD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Delta-sarcoglycan (SGCD) ELISA Kit has high sensitivity and excellent specificity for detection of Human SGCD. No significant cross-reactivity or interference between Human SGCD and analogues was observed.
Sequence Length	243
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Delta-sarcoglycan (SGCD) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SGCD elisa kit	Description: This Human Delta-sarcoglycan (SGCD) ELISA Kit 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 any SGCD 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. Background: 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 to 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119582023
NCBI GeneID	6444
UniProt Accession #	Q92629
NCBI Official Full Name	sarcoglycan, delta (35kDa dystrophin-associated glycoprotein), isoform CRA_b
NCBI Official Synonym Full Names	sarcoglycan delta
NCBI Official Symbol	SGCD
NCBI Official Synonym Symbols	SGD; DAGD; 35DAG; CMD1L; SGCDP; LGMDR6; SG-delta
NCBI Protein Information	delta-sarcoglycan
UniProt Protein Name	Delta-sarcoglycan
UniProt Gene Name	SGCD
UniProt Synonym Gene Names	Delta-SG; 35DAG
UniProt Entry Name	SGCD_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.