

Human beta sarcoglycan (SGCB) ELISA Kit | SGCB elisa kit

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CATALOG #
AAA246040

REACTIVITY
Human

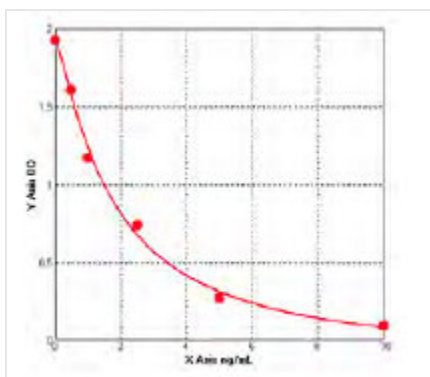
PRODUCT SYNONYMS

beta sarcoglycan (SGCB); Human beta sarcoglycan (SGCB) ELISA Kit; Human b sarcoglycan (SGCB) ELISA Kit; SGCB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SGCB. No significant cross-reactivity or interference between SGCB and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SGCB and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SGCB elisa kit	Intended Uses: This SGCB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of HumanSGCB. This ELISA kit for research use only! Principle of the Assay: SGCB ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-SGCB antibody and an SGCB-HRP conjugate. The assay sample and buffer are incubated together with SGCB-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SGCB concentration since SGCB from samples and SGCB-HRP conjugate compete for the anti-SGCB antibody binding site. Since the number of sites is limited, as more sites are occupied by SGCB from the sample, fewer sites are left to bind SGCB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SGCB concentration in each sample is interpolated from this standard curve.
Product Categories/Family for SGCB elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506913
NCBI GeneID	6443
NCBI Accession #	NP_000223.1
NCBI GenBank Nucleotide #	NM_000232.4
Molecular Weight	34,777 Da
NCBI Official Full Name	beta-sarcoglycan
NCBI Official Synonym Full Names	sarcoglycan, beta (43kDa dystrophin-associated glycoprotein)
NCBI Official Symbol	SGCB
NCBI Official Synonym Symbols	A3b; SGC; LGMD2E
NCBI Protein Information	beta-sarcoglycan; 43DAG; beta-SG; 43 kDa dystrophin-associated glycoprotein; limb girdle muscular dystrophy 2E (non-linked families); beta-sarcoglycan(43kD dystrophin-associated glycoprotein)
UniProt Protein Name	Beta-sarcoglycan
UniProt Gene Name	SGCB
UniProt Synonym Gene Names	Beta-SG; 43DAG
UniProt Entry Name	SGCB_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/beta-sarcoglycan-sgcb/246040>