

Human STBD1 (Starch-binding domain-containing protein 1) ELISA Kit | STBD1 elisa kit

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CATALOG #
AAA251228

REACTIVITY
Human

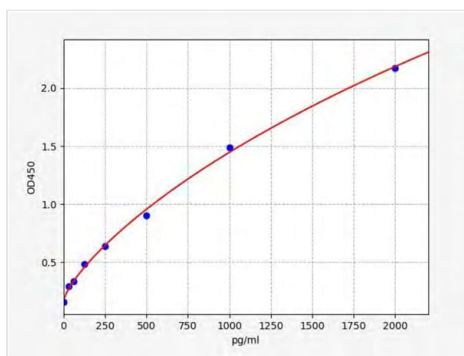
PRODUCT SYNONYMS

STBD1 (Starch-binding domain-containing protein 1); Human STBD1 (Starch-binding domain-containing protein 1) ELISA Kit; STBD1; Starch-binding domain-containing protein 1; Genethonin-1; Glycophagy cargo receptor STBD1; STBD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize STBD1, no obvious cross reaction with other analogues
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	31.2-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for STBD1 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti STBD1 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti STBD1 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with STBD1 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of STBD1 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503977
NCBI GeneID	8987
NCBI Accession #	NP_003934.1
NCBI GenBank Nucleotide #	NM_003943.4
UniProt Accession #	O95210; B3KVV9
Molecular Weight	39,007 Da
NCBI Official Full Name	starch-binding domain-containing protein 1
NCBI Official Synonym Full Names	starch binding domain 1
NCBI Official Symbol	STBD1
NCBI Official Synonym Symbols	GENEX3414; GENX-3414
NCBI Protein Information	starch-binding domain-containing protein 1; genethonin 1
UniProt Protein Name	Starch-binding domain-containing protein 1
UniProt Gene Name	STBD1
UniProt Entry Name	STBD1_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://www.aaabiotech.com/human-elisa-kits/stbd1-starch-binding-domain-containing-protein-1/251228>