

Human Sugar transporter SWEET1 ELISA Kit | SLC50A1 elisa kit

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CATALOG #
AAA102140

REACTIVITY
Human

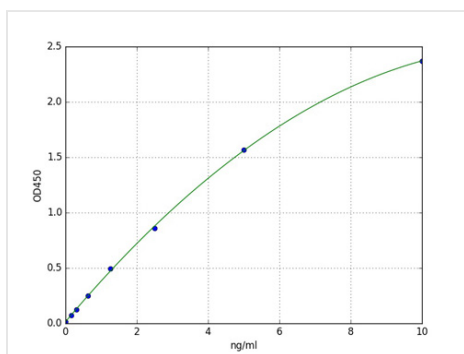
PRODUCT SYNONYMS

Sugar transporter SWEET1; Human Sugar transporter SWEET1 ELISA Kit; SLC50A1/Sugar transporter SWEET1/HsSWEET1/Stromal cell protein/RAG1-activating protein 1/Solute carrier family 50 member 1/RAG1AP1/SCP; SLC50A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	221
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
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)

Typical Data & Standard Curve

Results of a typical standard run of a Human SLC50A1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.015	0.076	0.132	0.251	0.471	0.903	1.649	2.496

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SLC50A1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human SLC50A1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human SLC50A1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human SLC50A1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human SLC50A1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	170932469
NCBI GeneID	55974
NCBI Accession #	NP_061333.2
NCBI GenBank Nucleotide #	NM_018845.3
Molecular Weight	19,020 Da
NCBI Official Full Name	sugar transporter SWEET1 isoform a
NCBI Official Synonym Full Names	solute carrier family 50 member 1
NCBI Official Symbol	SLC50A1
NCBI Official Synonym Symbols	SCP; slv; SWEET1; RAG1AP1; HsSWEET1
NCBI Protein Information	sugar transporter SWEET1
UniProt Protein Name	Sugar transporter SWEET1
UniProt Gene Name	SLC50A1
UniProt Synonym Gene Names	RAG1AP1; SCP; HsSWEET1
UniProt Entry Name	SWET1_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/slc50a1-human-elisa-kits/sugar-transporter-sweet1/102140>