

Rat Sugar transporter SWEET1 ELISA Kit | Slc50a1 elisa kit

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CATALOG #
AAA56528

REACTIVITY
Rat

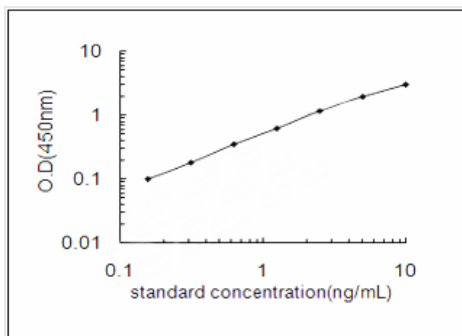
PRODUCT SYNONYMS

Sugar transporter SWEET1; Rat Sugar transporter SWEET1 ELISA Kit; Slc50a1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay recognizes recombinant and natural rat Sugar transporter SWEET1. No significant cross-reactivity or interference was observed.
Sequence Length	221
Assay Type	Sandwich
Detection Range	0.156-10 ng/ml
Sensitivity	0.094 ng/mL
Intra-Assay CV	<=4.6%
Inter-Assay CV	<=8.3%
Recovery	106%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Slc50a1 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Sugar transporter SWEET1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Sugar transporter SWEET1 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Sugar transporter SWEET1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Sugar transporter SWEET1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157823801
NCBI GeneID	295245
NCBI Accession #	NP_001099915.1
NCBI GenBank Nucleotide #	NM_001106445.1
UniProt Accession #	D3ZH22
Molecular Weight	24,694 Da
NCBI Official Full Name	sugar transporter SWEET1
NCBI Official Synonym Full Names	solute carrier family 50 member 1
NCBI Official Symbol	Slc50a1
NCBI Official Synonym Symbols	Rag1ap1; RGD1308478
NCBI Protein Information	sugar transporter SWEET1
UniProt Protein Name	Sugar transporter SWEET1
UniProt Gene Name	Slc50a1
UniProt Synonym Gene Names	Rag1ap1; Rga
UniProt Entry Name	SWET1_RAT

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-rat-elisa-kits/sugar-transporter-sweet1/56528>