

## Rat Sugar transporter SWEET1 ELISA Kit | Slc50a1 elisa kit

Rat Sugar transporter SWEET1 ELISA Kit

CATALOG #  
**AAA56528**

REACTIVITY  
**Rat**

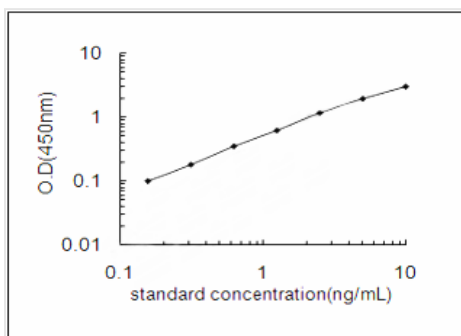
### PRODUCT SYNONYMS

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. |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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://stage.aaabiotech.com/slc50a1-rat-elisa-kits/sugar-transporter-sweet1/56528>