

Mouse SLC6A1 (Sodium- and chloride-dependent GABA transporter 1) ELISA Kit | SLC6A1 elisa kit

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CATALOG # AAA277817	REACTIVITY Mouse
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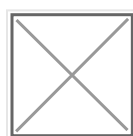
PRODUCT SYNONYMS

SLC6A1 (Sodium- and chloride-dependent GABA transporter 1); Mouse SLC6A1 (Sodium- and chloride-dependent GABA transporter 1) ELISA Kit; XT-1; Gabt; GAT-1; Gat1; Xtrp1; GABATHG; A730043E01; GABATR; Gabt1; SLC6A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse SLC6A1. No significant cross-reactivity or interference between Mouse SLC6A1 and analogues was observed.
Assay Type	Sandwich
Detection Range	0.16-10 ng/mL
Sensitivity	0.074 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SLC6A1 elisa kit	Principle of the Assay: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Mouse SLC6A1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse SLC6A1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Mouse SLC6A1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Mouse SLC6A1 in the samples is then determined by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	30520131
NCBI GeneID	232333

NCBI Accession #	NP_848818.1
NCBI GenBank Nucleotide #	NM_178703.4
UniProt Accession #	P31648
Molecular Weight	67,001 Da
NCBI Official Full Name	sodium- and chloride-dependent GABA transporter 1
NCBI Official Synonym Full Names	solute carrier family 6 (neurotransmitter transporter, GABA), member 1
NCBI Official Symbol	Slc6a1
NCBI Official Synonym Symbols	Gabt; Gat1; XT-1; GAT-1; Gabt1; Xtrp1; GABATR; GABATHG; A730043E01
NCBI Protein Information	sodium- and chloride-dependent GABA transporter 1
UniProt Protein Name	Sodium- and chloride-dependent GABA transporter 1
UniProt Gene Name	Slc6a1
UniProt Synonym Gene Names	Gabt1; Gat-1; Gat1; GAT-1
UniProt Entry Name	SC6A1_MOUSE

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/mouse-elisa-kits/slc6a1-sodium-and-chloride-dependent-gaba-transporter-1/277817>