

Mouse Excitatory Amino Acid Transporter 2 (EAAT2) ELISA Kit | EAAT2 elisa kit

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CATALOG #
AAA186560

REACTIVITY
Mouse

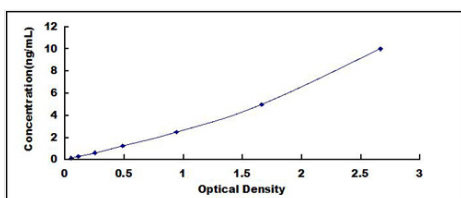
PRODUCT SYNONYMS

Excitatory Amino Acid Transporter 2 (EAAT2); Mouse Excitatory Amino Acid Transporter 2 (EAAT2) ELISA Kit; SLC1A2; EAAT2; GLT-1; Solute Carrier Family 1 Member 2; Glutamate/aspartate transporter II; Sodium-dependent glutamate/aspartate transporter 2; EAAT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Excitatory Amino Acid Transporter 2 (EAAT2). No significant cross-reactivity or interference between Excitatory Amino Acid Transporter 2 (EAAT2) and analogues was observed.
Sequence Length	563
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.054ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Excitatory Amino Acid Transporter 2 (EAAT2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Excitatory Amino Acid Transporter 2 (EAAT2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EAAT2 elisa kit	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 Excitatory Amino Acid Transporter 2 (EAAT2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Excitatory Amino Acid Transporter 2 (EAAT2). 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 Excitatory Amino Acid Transporter 2 (EAAT2), 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 Excitatory Amino Acid Transporter 2 (EAAT2) 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 #	307746865
NCBI GeneID	6506
NCBI Accession #	NP_001182657.1
NCBI GenBank Nucleotide #	NM_001195728.2
UniProt Accession #	P43004; Q14417; Q541G6; B4DQE9; U3KQQ4
Molecular Weight	61,008 Da
NCBI Official Full Name	excitatory amino acid transporter 2 isoform 2
NCBI Official Synonym Full Names	solute carrier family 1 member 2
NCBI Official Symbol	SLC1A2
NCBI Official Synonym Symbols	HBGT; EAAT2; GLT-1; EIEE41
NCBI Protein Information	excitatory amino acid transporter 2
UniProt Protein Name	Excitatory amino acid transporter 2
UniProt Gene Name	SLC1A2
UniProt Synonym Gene Names	EAAT2; GLT1

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/excitatory-amino-acid-transporter-2-eaat2/186560>