

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

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CATALOG #
AAA67008

REACTIVITY
Rat

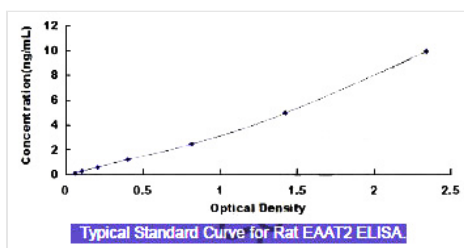
PRODUCT SYNONYMS

Excitatory Amino Acid Transporter 2 (EAAT2); Rat Excitatory Amino Acid Transporter 2 (EAAT2) ELISA Kit; EAAT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of EAAT2. No significant cross-reactivity or interference between EAAT2 and analogues was observed.
Sequence Length	570
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.058ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level EAAT2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level EAAT2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EAAT2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of EAAT2 in rat Tissue homogenates, cell lysates and other biological fluids Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to EAAT2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 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 #	690969210
NCBI GeneID	29482
NCBI Accession #	NP_001289018.1
NCBI GenBank Nucleotide #	NM_001302089.1
UniProt Accession #	P31596
Molecular Weight	61,847 Da
NCBI Official Full Name	excitatory amino acid transporter 2 isoform c
NCBI Official Synonym Full Names	solute carrier family 1 member 2
NCBI Official Symbol	Slc1a2
NCBI Official Synonym Symbols	Glt; Eaat2; Glt-1
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; GLUT-R

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/rat-elisa-kits/excitatory-amino-acid-transporter-2-eaat2/67008>