

Human Excitatory Amino Acid Transporter 3 (EAAT3) ELISA Kit | EAAT3 elisa kit

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CATALOG #
AAA65089

REACTIVITY
Human

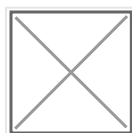
PRODUCT SYNONYMS

Excitatory Amino Acid Transporter 3 (EAAT3); Human Excitatory Amino Acid Transporter 3 (EAAT3) ELISA Kit; ITG-A11; EAAT3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of EAAT3. No significant cross-reactivity or interference between EAAT3 and analogues was observed.
Sequence Length	524
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.117ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level EAAT3 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 EAAT3 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 EAAT3 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of EAAT3 in human tissue homogenates and other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to EAAT3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to EAAT3. 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 EAAT3, 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 EAAT3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	66773030
NCBI GeneID	6505
NCBI Accession #	NP_004161.4
NCBI GenBank Nucleotide #	NM_004170.5
UniProt Accession #	P43005; O75587; Q5VZ24; Q8N199; Q9UEW2
Molecular Weight	57,100 Da
NCBI Official Full Name	excitatory amino acid transporter 3
NCBI Official Synonym Full Names	solute carrier family 1 member 1
NCBI Official Symbol	SLC1A1
NCBI Official Synonym Symbols	DCBXA; EAAC1; EAAT3; SCZD18
NCBI Protein Information	excitatory amino acid transporter 3
UniProt Protein Name	Excitatory amino acid transporter 3
UniProt Gene Name	SLC1A1
UniProt Synonym Gene Names	EAAC1; EAAT3

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/human-elisa-kits/excitatory-amino-acid-transporter-3-eaat3/65089>