

Mouse Vesicular Glutamate Transporter 1 (VGLUT1) RTU ELISA Kit | VGLUT1 rtu elisa kit

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CATALOG #
AAA219197

REACTIVITY
Mouse

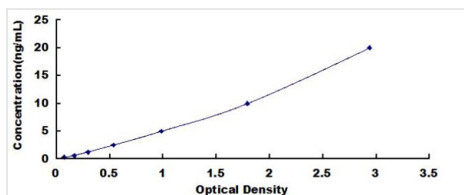
PRODUCT SYNONYMS

Vesicular Glutamate Transporter 1 (VGLUT1); Mouse Vesicular Glutamate Transporter 1 (VGLUT1) ELISA Kit; SLC17A7; BNPI; Solute Carrier Family 17 Member 7; Sodium-Dependent Inorganic Phosphate Cotransporter; Brain-specific Na(+)-dependent inorganic phosphate cotransporter; VGLUT1 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Sequence Length	560
Assay Type	Sandwich
Samples	Tissue Homogenates or Other Biological Fluids.
Detection Range	0.312-20ng/mL
Sensitivity	0.124ng/mL
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VGLUT1 rtu elisa kit

Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to VGLUT1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to VGLUT1. 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 VGLUT1, 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 $\pm$ 10nm. The concentration of VGLUT1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	218156282
NCBI GeneID	72961
NCBI Accession #	NP_892038.2
NCBI GenBank Nucleotide #	NM_182993.2
UniProt Accession #	Q3TXX4; E9QMT8
Molecular Weight	61,637 Da
NCBI Official Full Name	vesicular glutamate transporter 1
NCBI Official Synonym Full Names	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 7
NCBI Official Symbol	Slc17a7
NCBI Official Synonym Symbols	Vglut1; AI851913; 2900052E22Rik
NCBI Protein Information	vesicular glutamate transporter 1
UniProt Protein Name	Vesicular glutamate transporter 1
UniProt Gene Name	Slc17a7
UniProt Synonym Gene Names	Bnpi; Vglut1; VGluT1

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-rtu-elisa-kits/vesicular-glutamate-transporter-1-vglut1/219197>