

Human Vesicular Monoamine Transporter 2 (VMAT2) ELISA Kit | VMAT2 elisa kit

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CATALOG #
AAA66023

REACTIVITY
Human

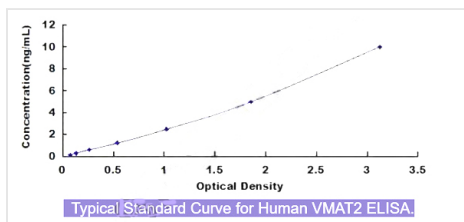
PRODUCT SYNONYMS

Vesicular Monoamine Transporter 2 (VMAT2); Human Vesicular Monoamine Transporter 2 (VMAT2) ELISA Kit; SLC18A2; SVMT; SVAT; Solute Carrier Family 18 Member 2; Vesicular Monoamine; Monoamine transporter; Synaptic vesicular amine transporter; VMAT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of VMAT2. No significant cross-reactivity or interference between VMAT2 and analogues was observed.
Sequence Length	514
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates or other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.063ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level VMAT2 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 VMAT2 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 VMAT2 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to VMAT2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to VMAT2. 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 VMAT2, 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 VMAT2 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of VMAT2 in human tissue homogenates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	42476325
NCBI GeneID	6571
NCBI Accession #	NP_003045.2
NCBI GenBank Nucleotide #	NM_003054.4
UniProt Accession #	Q05940; Q15876; Q4G147; Q5VW49; Q9H3P6; B2RC96; D3DRC4
Molecular Weight	22,980 Da
NCBI Official Full Name	synaptic vesicular amine transporter
NCBI Official Synonym Full Names	solute carrier family 18 member A2
NCBI Official Symbol	SLC18A2
NCBI Official Synonym Symbols	SVAT; SVMT; VAT2; VMAT2
NCBI Protein Information	synaptic vesicular amine transporter
UniProt Protein Name	Synaptic vesicular amine transporter
UniProt Gene Name	SLC18A2
UniProt Synonym Gene Names	SVMT; VMAT2; VAT2

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/vesicular-monoamine-transporter-2-vmat2/66023>