

Human VMAT2 (Synaptic vesicular amine transporter) ELISA Kit | VMAT2 elisa kit

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CATALOG #
AAA250077

REACTIVITY
Human

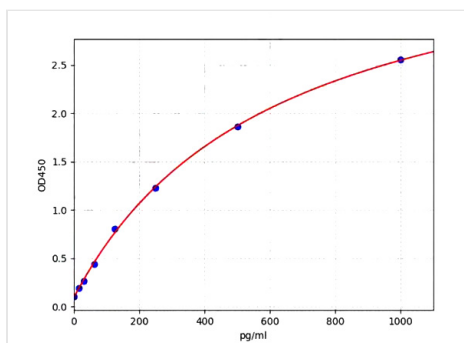
PRODUCT SYNONYMS

VMAT2 (Synaptic vesicular amine transporter); Human VMAT2 (Synaptic vesicular amine transporter) ELISA Kit; Synaptic vesicular amine transporter; Monoamine transporter; Solute carrier family 18 member 2; Vesicular amine transporter 2; VAT2; SVMT; VMAT2; SLC18A2; 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.
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VMAT2 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1722742
NCBI GeneID	6571
UniProt Accession #	Q05940; Q15876; Q4G147; Q5VW49; Q9H3P6; B2RC96; D3DRC4
Molecular Weight	514
NCBI Official Full Name	Synaptic vesicular amine transporter
NCBI Official Synonym Full Names	solute carrier family 18 (vesicular monoamine transporter), member 2
NCBI Official Symbol	SLC18A2
NCBI Official Synonym Symbols	SVAT; SVMT; VAT2; VMAT2
NCBI Protein Information	synaptic vesicular amine transporter; monoamine transporter; vesicular amine transporter 2; vesicle monoamine/H+ antiporter; solute carrier family 18 member 2; vesicle monoamine transporter type 2; monoamine neurotransmitter transporter; solute carrier fa
UniProt Protein Name	Synaptic vesicular amine transporter
UniProt Gene Name	SLC18A2
UniProt Synonym Gene Names	SVMT; VMAT2; VAT2
UniProt Entry Name	VMAT2_HUMAN

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.