

Human Vesicle-Associated Membrane Protein 2 (VAMP2) ELISA Kit | VAMP2 elisa kit

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CATALOG #
AAA330299

REACTIVITY
Human

PRODUCT SYNONYMS

Vesicle-Associated Membrane Protein 2 (VAMP2); Human Vesicle-Associated Membrane Protein 2 (VAMP2) ELISA Kit; VAMP2; FLJ11460; SYB2; VAMP-2; synaptobrevin 2; vesicle associated membrane protein 2; VAMP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Vesicle-associated membrane protein 2 (VAMP2) ELISA Kit has high sensitivity and excellent specificity for detection of Human VAMP2. No significant cross-reactivity or interference between Human VAMP2 and analogues was observed.
Sequence Length	116
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Vesicle-associated membrane protein 2 (VAMP2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for VAMP2 elisa kit	Description: This Human Vesicle-associated membrane protein 2 (VAMP2) ELISA Kit employs a two-site sandwich ELISA to quantitate VAMP2 in samples. An antibody specific for VAMP2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any VAMP2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for VAMP2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of VAMP2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: VAMP2 is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family. VAMP2 is a likely candidate gene for familial infantile myasthenia (FIMG) because of its map location and because it encodes a synaptic vesicle protein of the type that has been implicated in the pathogenesis of FIMG. VAMP2 is thought to participate in neurotransmitter release at a step between docking and fusion. Mice lacking functional synaptobrevin2/VAMP2 gene cannot survive after birth, and have a dramatically reduced synaptic transmission, around 10% of control. The protein forms a stable complex with syntaxin, synaptosomal-associated protein, 25 kD, and complexin. It also forms a distinct complex with synaptophysin.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27806183
NCBI GeneID	282116
NCBI Accession #	NP_776908.1
NCBI GenBank Nucleotide #	NP_776908.1
UniProt Accession #	P63026
NCBI Official Full Name	vesicle-associated membrane protein 2
NCBI Official Symbol	VAMP2
NCBI Protein Information	vesicle-associated membrane protein 2
UniProt Protein Name	Vesicle-associated membrane protein 2
UniProt Gene Name	VAMP2
UniProt Synonym Gene Names	SYB2; VAMP-2
UniProt Entry Name	VAMP2_BOVIN

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/vesicle-associated-membrane-protein-2-vamp2/330299>