

Human Villin-1 (VIL1) ELISA Kit | VIL1 elisa kit

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CATALOG #
AAA330282

REACTIVITY
Human

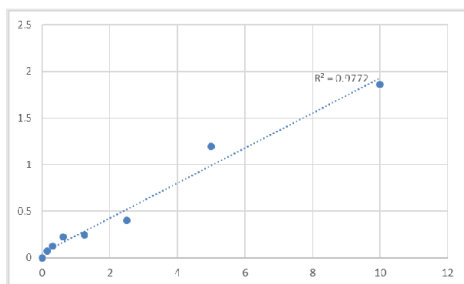
PRODUCT SYNONYMS

Villin-1 (VIL1); Human Villin-1 (VIL1) ELISA Kit; VIL1; D2S1471; VIL; VIL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Villin-1 (VIL1) ELISA Kit has high sensitivity and excellent specificity for detection of Human VIL1. No significant cross-reactivity or interference between Human VIL1 and analogues was observed.
Sequence Length	827
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 Villin-1 (VIL1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for VIL1 elisa kit	Description: This Human Villin-1 (VIL1) ELISA Kit employs a two-site sandwich ELISA to quantitate VIL1 in samples. An antibody specific for VIL1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any VIL1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for VIL1 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 VIL1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Villin is a 92.5 kDa tissue-specific actin-binding protein associated with the actin core bundle of the brush border. Villin contains multiple gelsolin-like domains capped by a small (8.5 kDa) "headpiece" at the C-terminus consisting of a fast and independently-folding three-helix bundle that is stabilized by hydrophobic interactions. The headpiece domain is a commonly studied protein in molecular dynamics due to its small size and fast folding kinetics and short primary sequence. Villin is an actin binding protein expressed mainly in the brush border of the epithelium in vertebrates but sometimes it is ubiquitously expressed in protists and plants. Villin is found localized in the microvilli of the brush border of the epithelium lining of the gut and renal tubes in vertebrates.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194394237
NCBI GeneID	7429
NCBI Accession #	NP_009058.2
NCBI GenBank Nucleotide #	NP_009058.2
UniProt Accession #	P09327
NCBI Official Full Name	villin-1
NCBI Official Synonym Full Names	villin 1
NCBI Official Symbol	VIL1
NCBI Official Synonym Symbols	VIL; D2S1471
NCBI Protein Information	villin-1
UniProt Protein Name	Villin-1
UniProt Gene Name	VIL1
UniProt Synonym Gene Names	VIL
UniProt Entry Name	VILI_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.