

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

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CATALOG #
AAA244692

REACTIVITY
Rat

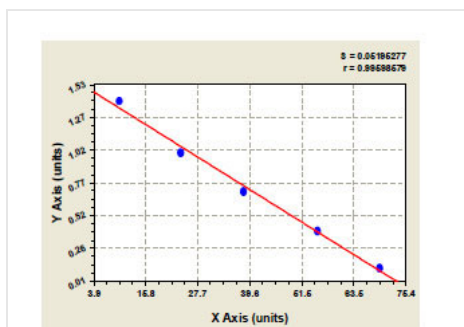
PRODUCT SYNONYMS

Villin-1 (VIL1); Rat Villin-1 (VIL1) ELISA Kit; VIL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VIL1 elisa kit

Intended Uses: This VIL1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat VIL1. This ELISA kit for research use only!

Principle of the Assay: VIL1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-VIL1 antibody and an VIL1-HRP conjugate. The assay sample and buffer are incubated together with VIL1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the VIL1 concentration since VIL1 from samples and VIL1-HRP conjugate compete for the anti-VIL1 antibody binding site. Since the number of sites is limited, as more sites are occupied by VIL1 from the sample, fewer sites are left to bind VIL1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The VIL1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for VIL1 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	194394237
NCBI GeneID	7429
NCBI Accession #	NP_009058.2
NCBI GenBank Nucleotide #	NM_007127.2
Molecular Weight	46,567 Da
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.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/villin-1-vil1/244692>