

Rat Vimentin ELISA Kit | VIM elisa kit

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CATALOG #
AAA16437

REACTIVITY
Rat

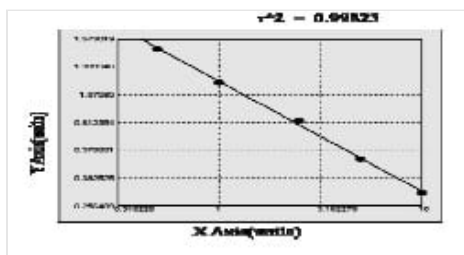
PRODUCT SYNONYMS

Vimentin; Rat Vimentin ELISA Kit; VIM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	1.0-25 ng/mL
Sensitivity	0.1ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VIM elisa kit

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

Principle of the Assay||VIM ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-VIM antibody and an VIM-HRP conjugate. The assay sample and buffer are incubated together with VIM-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 VIM concentration since VIM from samples and VIM-HRP conjugate compete for the anti-VIM antibody binding site. Since the number of sites is limited, as more sites are occupied by VIM from the sample, fewer sites are left to bind VIM-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The VIM concentration in each sample is interpolated from this standard curve.

Product Categories/Family for VIM elisa kit

[Neurobiology](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	62414289
NCBI GeneID	7431
NCBI Accession #	NP_003371.2
NCBI GenBank Nucleotide #	NM_003380.3
Molecular Weight	53,652 Da
NCBI Official Full Name	vimentin
NCBI Official Synonym Full Names	vimentin
NCBI Official Symbol	VIM
NCBI Official Synonym Symbols	HEL113; CTRCT30
NCBI Protein Information	vimentin; epididymis luminal protein 113
UniProt Protein Name	Vimentin
UniProt Gene Name	VIM
UniProt Entry Name	VIME_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/vim-rat-elisa-kits/vimentin/16437>