

Rat Voltage Dependent Anion Channel 1 ELISA Kit | VDAC-1 elisa kit

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CATALOG #
AAA84687

REACTIVITY
Rat

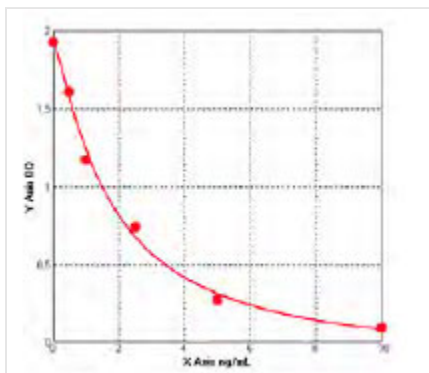
PRODUCT SYNONYMS

Voltage Dependent Anion Channel 1; Rat Voltage Dependent Anion Channel 1 ELISA Kit; VDAC-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of VDAC1. No significant cross-reactivity or interference between VDAC1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between VDAC1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative 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 VDAC-1 elisa kit	Intended Uses: This VDAC1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of RatVDAC1. This ELISA kit for research use only! Principle of the Assay: VDAC1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-VDAC1 antibody and an VDAC1-HRP conjugate. The assay sample and buffer are incubated together with VDAC1-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 VDAC1 concentration since VDAC1 from samples and VDAC1-HRP conjugate compete for the anti-VDAC1 antibody binding site. Since the number of sites is limited, as more sites are occupied by VDAC1 from the sample, fewer sites are left to bind VDAC1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The VDAC1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for VDAC-1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	6981700
NCBI GeneID	25361
NCBI Accession #	NP_037021.1
NCBI GenBank Nucleotide #	NM_012889.1
Molecular Weight	81,246 Da
NCBI Official Full Name	vascular cell adhesion protein 1
NCBI Official Synonym Full Names	vascular cell adhesion molecule 1
NCBI Official Symbol	Vcam1
NCBI Official Synonym Symbols	VCAM1B
NCBI Protein Information	vascular cell adhesion protein 1; VCAM-1; V-CAM 1
UniProt Protein Name	Vascular cell adhesion protein 1
UniProt Gene Name	Vcam1
UniProt Synonym Gene Names	Vcam-1; V-CAM 1; VCAM-1
UniProt Entry Name	VCAM1_RAT

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/vdac-1-rat-elisa-kits/voltage-dependent-anion-channel-1/84687>