

Human Voltage Dependent Anion Channel 1 ELISA Kit | VDAC 1 elisa kit

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CATALOG #
AAA84643

REACTIVITY
Human

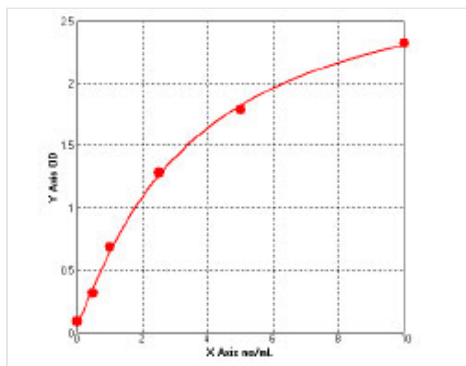
PRODUCT SYNONYMS

Voltage Dependent Anion Channel 1; Human Voltage Dependent Anion Channel 1 ELISA Kit; VDAC 1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/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 Human VDAC1. This ELISA kit for research use only!

Principle of the Assay: VDAC1 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for VDAC1. Standards or samples are then added to the microtiter plate wells and VDAC1 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of VDAC1 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for VDAC1 are added to each well to "sandwich" the VDAC1 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain VDAC1 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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.

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-human-elisa-kits/voltage-dependent-anion-channel-1/84643>