

Rabbit Vascular Cell Adhesion Molecule 1 ELISA Kit | VCAM-1 elisa kit

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CATALOG #
AAA86403

REACTIVITY
Rabbit

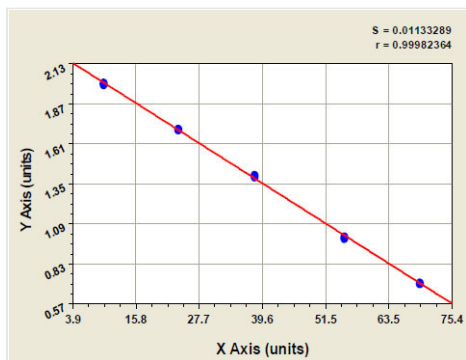
PRODUCT SYNONYMS

Vascular Cell Adhesion Molecule 1; Rabbit Vascular Cell Adhesion Molecule 1 ELISA Kit; VCAM-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This VCAM-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rabbit VCAM-1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VCAM-1 elisa kit

Principle of the Assay: VCAM-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-VCAM-1 antibody and an VCAM-1-HRP conjugate. The assay sample and buffer are incubated together with VCAM-1-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 VCAM-1 concentration since VCAM-1 from samples and VCAM-1-HRP conjugate compete for the anti-VCAM-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by VCAM-1 from the sample, fewer sites are left to bind VCAM-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The VCAM-1 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/vcam-1-rabbit-elisa-kits/vascular-cell-adhesion-molecule-1/86403>