

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

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CATALOG #
AAA84895

REACTIVITY
Rat

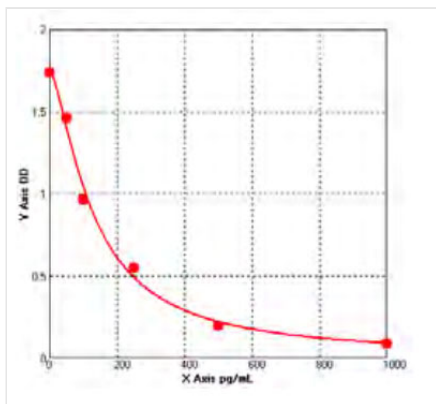
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of VCAM-1. No significant cross-reactivity or interference between VCAM-1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between VCAM-1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
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 polyclonal 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. Intended Uses: This VCAM-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat VCAM-1. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for VCAM-1 elisa kit	Cancer

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-rat-elisa-kits/vascular-cell-adhesion-molecule-1/84895>