

Mouse VCAM-1 ELISA Kit | VCAM1 elisa kit

Mouse VCAM-1 PicoKine ELISA Kit

CATALOG #
AAA45302

REACTIVITY
Mouse

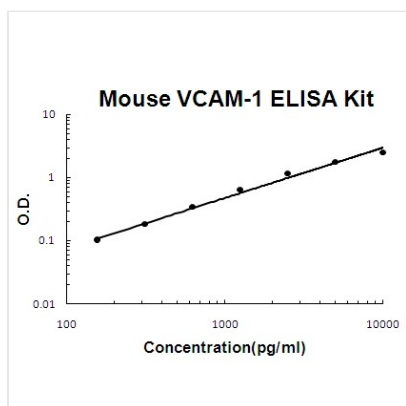
PRODUCT SYNONYMS

VCAM-1; Mouse VCAM-1 PicoKine ELISA Kit; Vascular cell adhesion protein 1; vascular cell adhesion molecule 1; CD106; CD106 antigen; DKFZp779G2333; INCAM 100; INCAM-100; INCAM100; L1CAM; MGC99561; V CAM 1; V-CAM 1; Vascular cell adhesion molecule 1; VCAM 1; VCAM1; VCAM1_HUMAN; VCAM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse VCAM-1
Sequence Length	739
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	< 5pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse VCAM-1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for VCAM1 elisa kit	Principle of the assay: mouse VCAM-1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for VCAM-1 has been precoated onto 96-well plates. Standards and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for VCAM-1 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse VCAM-1 amount of sample captured in plate. Background: Vascular cell adhesion molecule 1 (VCAM-1) is a cell surface glycoprotein adhesive for certain blood leukocytes and tumor cells, which is expressed by activated endothelium in a variety of pathologic conditions including atherosclerosis.Increased expression of VCAM1 is associated with a variety of chronic inflammatory conditions, making its expression and function a target for therapeutic intervention.Integrin alpha4beta1 (VLA-4) and VCAM-1 facilitate a critical cell-cell adhesion event required for survival of endothelial and mural cells during vascularization.The VCAM1 gene is assigned to the 1p31-32 region of chromosome 1 based on the analysis of human-mouse hybrid cell lines and in situ hybridization.The standard product used in this kit is recombinant mouse VCAM-1, a dimeric protein linking with a disulfide bond. It consists of Phe25-Glu698 amino acid sequence of a single chain with the molecular mass of 101.9KDa. As a result of glycosylation, the molecular mass of 120KDa is revealed by SDS-PAGE.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	267283
NCBI GeneID	22329
UniProt Accession #	P29533
Molecular Weight	38,372 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	CD106; Vcam-1
NCBI Protein Information	vascular cell adhesion protein 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_MOUSE

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/vcam1-mouse-elisa-kits/vcam-1/45302>