

Mouse Vascular Cell Adhesion Molecule 1 (VCAM1) CLIA Kit | VCAM1 clia kit

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CATALOG # AAA188935	REACTIVITY Mouse	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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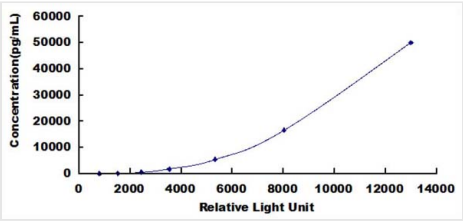
PRODUCT SYNONYMS

Vascular Cell Adhesion Molecule 1 (VCAM1); Mouse Vascular Cell Adhesion Molecule 1 (VCAM1) CLIA Kit; Vascular Cell Adhesion Molecule 1; CD106; INCAM-100; L1CAM; VCAM1 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Vascular Cell Adhesion Molecule 1 (VCAM1). No significant cross-reactivity or interference between Vascular Cell Adhesion Molecule 1 (VCAM1) and analogues was observed.
Sequence Length	739
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	68.6-50,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 26.9pg/mL
Applicable Applications for VCAM1 clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Vascular Cell Adhesion Molecule 1 (VCAM1) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Vascular Cell Adhesion Molecule 1 (VCAM1) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Vascular Cell Adhesion Molecule 1 (VCAM1). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Vascular Cell Adhesion Molecule 1 (VCAM1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Vascular Cell Adhesion Molecule 1 (VCAM1) level in the sample or standard.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	170295823
NCBI GeneID	22329
NCBI Accession #	NP_035823.3
NCBI GenBank Nucleotide #	NP_035823.3
UniProt Accession #	P29533
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
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://www.aaabiotech.com/mouse-clia-kits/vascular-cell-adhesion-molecule-1-vcam1/188935>