

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

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CATALOG #
AAA130338

REACTIVITY
Human

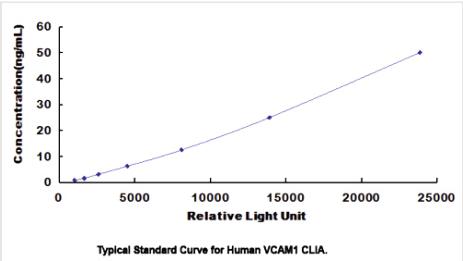
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
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 culture supernates and other biological fluids
Detection Range	68.6-50,000pg/mL
Sensitivity	27.2pg/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
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/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
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)

ADDITIONAL INFORMATION

Related Product Information for VCAM1 clia kit	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.;
Product Categories/Family for VCAM1 clia kit	CD & Adhesion molecule; Tumor immunity; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	340194
NCBI GeneID	7412
UniProt Accession #	P19320; Q6NUP8; A8K6R7; B4DKS4; E9PDD1
Molecular Weight	74,346 Da
NCBI Official Full Name	vascular cell adhesion molecule-1
NCBI Official Synonym Full Names	vascular cell adhesion molecule 1
NCBI Official Symbol	VCAM1
NCBI Official Synonym Symbols	CD106; INCAM-100
NCBI Protein Information	vascular cell adhesion protein 1
UniProt Protein Name	Vascular cell adhesion protein 1
UniProt Gene Name	VCAM1
UniProt Synonym Gene Names	L1CAM; V-CAM 1; VCAM-1
UniProt Entry Name	VCAM1_HUMAN

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.