

Datasheet for ABIN6720121  
**VCAM1 ELISA Kit**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	1 kit
Target:	VCAM1
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

## Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: CD106, CD106 antigen, DKFZp779G2333, INCAM 100, INCAM-100, INCAM100, L1CAM, MGC99561, V CAM 1, V-CAM 1, Vascular cell adhesion molecule 1, Vascular cell adhesion protein 1, VCAM 1, VCAM-1, VCAM1, VCAM1_HUMAN</p> <p>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</p>

## Product Details

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 human VCAM-1, consisting of Phe25-Glu698 amino acid sequence of a single chain with the molecular mass of 74KDa. As a result of glycosylation, the molecular mass of 90-95KDa is revealed by SDS-PAGE.

Gene Name: VCAM1

Production: Natural and recombinant human VCAM-1. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: F25 - E698

## Target Details

Target:	VCAM1
Alternative Name:	VCAM-1 ( <a href="#">VCAM1 Products</a> )
Gene ID:	7412
NCBI Accession:	<a href="#">NP_001069</a>
UniProt:	<a href="#">P19320</a>
Pathways:	<a href="#">Carbohydrate Homeostasis</a>

## Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 313pg/mL, 156pg/mL human VCAM-1 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. We recommend that each human VCAM-1 standard solution and each sample is measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 156pg/mL-10000pg/mL</p> <p>Other Performance Data: DOE 2-8° C - 1/27/18 -20° C - 7/28/18</p>
Sample Volume:	100 µL
Plate:	Pre-coated

Application Details

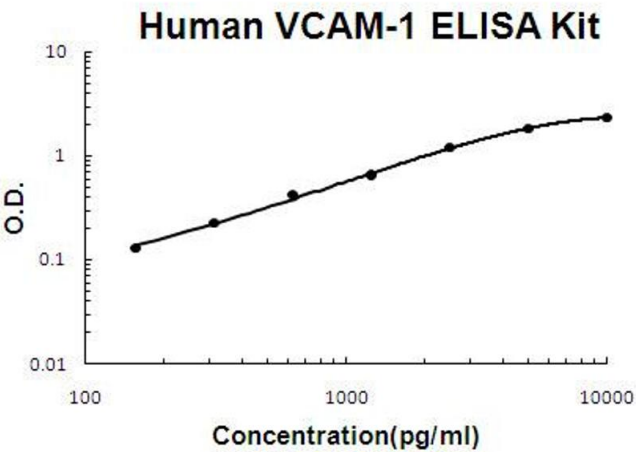
Restrictions: For Research Use only

Handling

Storage: RT,4 °C,-20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



**ELISA**

**Image 1.** Human VCAM-1 Accusignal ELISA Kit Human VCAM-1 AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10000pg/ml. Sensitivity: <10pg/ml.