ARG66147
anti-CD106 / VCAM1 antibody (Biotin)

Package: 50 µg
Store at: 4°C

Summary

Product Description	Biotin-conjugated Rabbit Polyclonal antibody recognizes CD106 / VCAM1
Tested Reactivity	Hu
Tested Application	ELISA, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD106 / VCAM1
Species	Human
Immunogen	HEK293 cells derived recombinant Human VCAM1. (FKIETTPESR YLAQIGDSVS LTCSTTGCES PFFSWRTQID SPLNGKVTNE GTTSTLTMNP VSFGNEHSYL CTATCESRKL EKGIQVEIYS FPKDPEIHLS GPLEAGKPIT VKCSVADVYP FDRLEIDLLK GDHLMKSQEF LEDADRKSLE TKSLEVTFTP VIEDIGKVLV CRAKLHIDEM DSVPTVRQAV KELQVYISPK NTVISVNPST KLQEGGSVTM TCSSEGLPAP EIFWSKKLDN GNLQHLSGNA TLTLIAMRME DSGIYVCEGV NLIGKNRKEV ELIVQEKPFT VEISPGPRIA AQIGDSVMLT CSVMGCESPS FSWRTQIDSP LSGKVRSEGT NSTLTLSPVS FENEHSYLCT VTCGHKKLEK GIQVELYSFP RDPEIEMSGG LVNGSSVTVS CKVPSVYPLD RLEIELLKGE TILENIEFLE DTDMKSLENK SLEMTFIPTI EDTGKALVCQ AKLHIDDMEF EPKQRQSTQT LYVNVAPRDT TVLVSPSSIL EEGSSVNMTC LSQGFPAPKI LWSRQLPNGE LQPLSENATL TLISTKMEDS GVYLCEGINQ AGRSRKEVEL IIQVTPKDIK LTAFPSESVK EGDTVIISCT CGNVPETWII LKKKAETGDT VLKSIDGAYT IRKAQLKDAG VYECESKNKV GSQLRSLTLD VQGRENNKDY FSP)
Conjugation	Biotin
Alternate Names	CD106; INCAM-100; Vascular cell adhesion protein 1; VCAM-1; CD antigen CD106; V-CAM 1

Application Instructions

Application table

Application	Dilution
ELISA	Direct: 0.25 - 1.0 µg/ml Sandwich: 0.25 - 1.0 µg/ml with ARG66146 as a capture antibody
WB	0.1 - 0.2 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

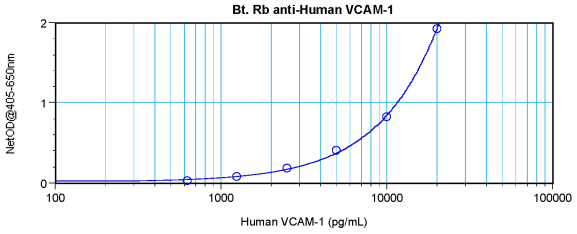
Form	Liquid
Purification	Purified by affinity chromatography.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml

Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

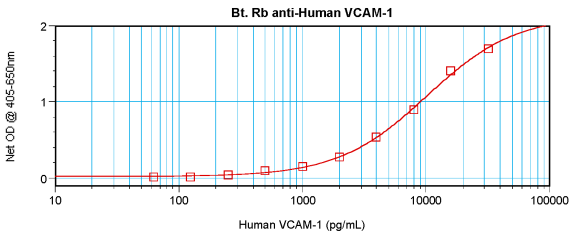
Database links	GeneID: 7412 Human Swiss-port # P19320 Human
Gene Symbol	VCAM1
Gene Full Name	vascular cell adhesion molecule 1
Background	This gene is a member of the Ig superfamily and encodes a cell surface sialoglycoprotein expressed by cytokine-activated endothelium. This type I membrane protein mediates leukocyte-endothelial cell adhesion and signal transduction, and may play a role in the development of artherosclerosis and rheumatoid arthritis. Three alternatively spliced transcripts encoding different isoforms have been described for this gene. [provided by RefSeq, Dec 2010]
Function	Important in cell-cell recognition. Appears to function in leukocyte-endothelial cell adhesion. Interacts with integrin alpha-4/beta-1 (ITGA4/ITGB1) on leukocytes, and mediates both adhesion and signal transduction. The VCAM1/ITGA4/ITGB1 interaction may play a pathophysiologic role both in immune responses and in leukocyte emigration to sites of inflammation. [UniProt]
Calculated Mw	81 kDa
PTM	Sialoglycoprotein.

Images



ARG66147 anti-CD106 / VCAM1 antibody (Biotin) standard curve image

Direct ELISA: ARG66147 anti-CD106 / VCAM1 antibody (Biotin) at 0.25 - 1.0 µg/ml results of a typical standard run with optical density reading at 405 - 650 nm.



ARG66147 anti-CD106 / VCAM1 antibody (Biotin) standard curve image

Sandwich ELISA: ARG66147 anti-CD106 / VCAM1 antibody (Biotin) as a detection antibody at 0.25 - 1.0 µg/ml combined with ARG66146 anti-VCAM1 antibody as a capture antibody. Results of a typical standard run with optical density reading at 405 - 650 nm.