

Human CellExp VCAM-1, Human recombinant protein
CD106, INCAM-100, MGC108734, MGC99561, VCAM, VCAM1, VCAM1B, VECAM1
Catalog # PBV10841r

Specification

Human CellExp VCAM-1, Human recombinant protein - Product info

Primary Accession [P19320](#)
Calculated MW ~74.0 kDa KDa

Human CellExp VCAM-1, Human recombinant protein - Additional Info

Gene ID **7412**
Gene Symbol **VCAM1**
Other Names
CD106, INCAM-100, MGC108734, MGC99561, VCAM, VCAM1, VCAM1B, VECAM1

Gene Source **Human**
Source **HEK 293 cells**
Assay&Purity **SDS-PAGE; ≥98%**
Assay2&Purity2 **HPLC;**
Recombinant **Yes**
Sequence **FKIETTPESR YLAQIGDSVS LTCSTTGCE
PFFSWRTQID SPLNGKVTNE GTTSTLT
MNPVSFGNEHSYL 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
NSTLTLSPPV FENEHSYLCT
VTCGHKKLEK GIQVELYSFP
RDPEIEMSGG LVNGSSVTVS
CKVPSVYPLD RLEIELLKGE
TILENIEFLE DTDMKSLNEN
SLEMTFIPTI EDTGKALVCQ
AKLHIDDMEF EPKQRQSTQT
LYVNVAPRDT TVLVSPSSIL
EEGSSVNMTC LSQGFAPAKI
LWSRQLPNGE LQPLSENATL
TLISTKMEDS GVYLCEGINQ
AGRSRKEVEL IIQVTPKDIK
LTAFPSESVK EGDTVIISCT
CGNVPETWII LKKKAETGDT
VLKSIDGAYT IRKAQLKDAG
VYECESKNKV GSQRLSLTLD
VQGRENNKDY FSP**

Target/Specificity
VCAM1

Application Notes

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is

recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Format

Lyophilized powder

Storage

-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized from 10 mM Sodium Phosphate, pH 7.0.

Human CellExp VCAM-1, Human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp VCAM-1, Human recombinant protein - Images**Human CellExp VCAM-1, Human recombinant protein - Background**

VCAM is a 110 kDa cell surface integral membrane glycoprotein that belongs to the Ig-related superfamily of adhesion molecules. The primary function of VCAM-1 is the mediation of leukocyte-endothelial cell adhesion and signal transduction. VCAM-1 may play a vital role in the development several diseases, including atherosclerosis and rheumatoid arthritis. The human VCAM-1 gene codes for a 715 amino acid transmembrane glycoprotein containing a 19 amino acid cytoplasmic domain, a 22 amino acid transmembrane domain, and a 674 amino acid extracellular domain. Recombinant human VCAM-1 is a 74.0 kDa glycoprotein comprising the extracellular domain (673 amino acid residues) of VCAM-1. Monomeric glycosylated VCAM-1 migrates at an apparent molecular weight of approximately 90.0 kDa by SDS-PAGE analysis.

Human CellExp VCAM-1, Human recombinant protein - References

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Polte T.,et al.Nucleic Acids Res. 18:5901-5901(1990).
Hession C.,et al.J. Biol. Chem. 266:6682-6685(1991).
Cybulsky M.I.,et al.Proc. Natl. Acad. Sci. U.S.A. 88:7859-7863(1991).
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