

Recombinant Human VCAM1 Protein

Catalog #	Source	Reactivity	Applications
CRP2512	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human VCAM1 Protein is produced by our mammalian expression system and the target gene encoding Phe25-Glu698 is expressed with a 6His tag at the C-terminus.

Form Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, 2mM CaCl₂, 2mM MgCl₂, 5% Threhalose, pH 7.2.

Gene Symbol VCAM1

Alternative Names L1CAM; Vascular cell adhesion protein 1; V-CAM 1; VCAM-1; INCAM-100; CD106

Entrez Gene 7412 (Human)

SwissProt P19320 (Human)

Purity Greater than 95% as determined by reducing SDS-PAGE.

Chemical Structure FKIEETPESR YLAQIGDSVS LTCSTTGCES PFSWRTQID SPLNGKVTNE GTTSTLTMNP
 VSFNGNEHSYL CTATCESRKL EKGIQVEIYS FPKDPEIHLS GPLEAGKPIT VKCSVADVYP
 FDRLEIDLLK GDHLMKSQEF LEDADRKSLE TKSLEVTFTP VIEDIGKVLV CRAKLHIDEM
 DSVPTVRQAV KELQVYISPK NTVISVNPST KLQEGGSVTM TCSSEGLPAP EIFWSKKLDN
 GNLQHLSGNA TLTIAMRME DSGIYVCEGV NLIQKNRKEV ELIVQEKPFT VEISPGPRIA
 AQIGDSVMLT CSVMGCESPS FSWRTQIDSP LSGKVRSEGT NSTLTLSPVS FENEHSYLCT
 VTCGHKKLEK GIQVELYSFP RDPEIEMSGG LVNGSSVTVS CKVPSVYPLD RLEIELLKGE
 TILENIEFLE DTDMKLENK SLEMTFIPTI EDTGKALVCQ AKLHIDDMEF EPKQRQSTQT
 LYVNVAPRDT TVLVSPSSIL EEGSSVNMTCL SQGFPAKIL WSRQLPNGE LQPLSENATL
 TLISTKMEDS GVYLCEGINQ AGRSRKEVEL IIQVTPKDIK LTAFPSESVK EGDTVIISCT
 CGNVPETWII LKKAETGDT VLKSIDGAYT IRKAQLKDAG VYECESKNKV GSQLRSLTLD

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

VQGRENKDY FSPEVDHHHH HH

Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Directions for Use

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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