

Recombinant Human CD166 Protein

Catalog #	Source	Reactivity	Applications
CRP2613	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human CD166 Protein is produced by mammalian expression system and the target gene encoding Trp28-Ala526 is expressed with a Fc tag at the C-terminus.

Form Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Gene Symbol ALCAM

Alternative Names MEMD; CD166 antigen; Activated leukocyte cell adhesion molecule; CD166

Entrez Gene 214 (Human)

SwissProt Q13740 (Human)

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

Chemical Structure WYTVNSAYGD TIIIPCRLDV PQNLMFGKWK YEKPDGSPVF IAFRSSTKKS VQYDDVPEYK
 DRLNLSENYT LSISNARISD EKRFVCMMLVT EDNVFEAPT I VKVFKQPSKP EIVSKALFLE
 TEQLKKGDC ISEDSYDPGN ITWYRNGKVL HPLEGAVVII FKKEMDPVTQ LYTMTSTLEY
 KTTKADIQMP FTCSVTYYGP SGQKTIHSEQ AVFDIYYPT E QVTIQVLPK NAIKEGDNIT
 LKCLGNGNPP PEEFLFYLPG QPEGIRSSNT YTLTDVRRNA TGDKYKSLID KKSMIATAI
 TVHYLDLSLN PSGEVTRQIG DALPVSTIS ASRNATVVWM KDNIRLRSSP SFSSLHYQDA
 GNYVCETALQ EVEGLKKRES LTLIVEGKPQ IKMTKKTDP S GLSKTIICHV EGFPKPAIQW
 TITGSGSVIN QTEESPYING RYYSKIIISP EENVTLTCTA ENQLERTVNS LNVSAISIPE
 HDEADEISDE NREKVNDQAD IEGRMDPKSC DKHTHTCPPCP APELLGGPSV FLFPPKPKDT
 LMISRTPEVT CVVVDVSHED PEVKFNWYVD GVEVHNAKTK PREEQYNSTY RVVSVLTVLH
 QDWLNGKEYK CKVSNKALPA PIEKTISKAK GQPREPQVYT LPPSRDELTK NQVSLTCLVK
 GFYPSDIAVE WESNGQPENN YKTTTPVLDS DGSFFLYSKL TVDKSRWQQG NVFSCSVMHE

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

ALHNHYTQKS LSLSPGK

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 ddH₂O. 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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