

Recombinant Human CD36 Protein

Catalog #	Source	Reactivity	Applications
CRP2649	Human cells	Human	E, WB, SDS-PAGE, MS

Description	Recombinant Human CD36 Protein is produced by mammalian expression system and the target gene encoding Gly30-Asn439 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	CD36
Alternative Names	GP3B; GP4; Platelet glycoprotein 4; Fatty acid translocase; FAT; Glycoprotein IIIb; GPIIIB; Leukocyte differentiation antigen CD36; PAS IV; PAS-4; Platelet collagen receptor; Platelet glycoprotein IV; GPIV; Thrombospondin receptor; CD36
Entrez Gene	948 (Human)
SwissProt	P16671 (Human)
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Chemical Structure	<p>GDLLIQKTIK KQVVLEEGTI AFKNWVKGT EVYRQFWIFD VQNPQEVMMN SSNIQVKQRG 61PYTYRVRF LAKENVTQDA EDNTVSFLQP NGAIPEPSSL VGTEADNFTV LNLAVAAASH IYQNQFVQMI LNSLINKSKS SMFQVRTLRE LLWGYRDPFL SLVPYPVTTT VGLFYYPNNT ADGVYKVFNG KDNISKVAII DTYKGKRNL YWESHCDMIN GTDAASFPPF VEKSQVLQFF SSDICRSIYA VFESDVNLKG IPVYRFVLP KAFASPVENP DNYCFCTEKI ISKNCTSYGV LDISKCKEGR PVYISLPHFL YASPDVSEPI DGLNPNEEEH RTYLDIEPIT GFTLQFAKRL QVNULLVKPSE KIQVLKLNKR NYIVPILWLN ETGTIGDEKA NMFRSQVTGK INVDDIEGRM DEPKSCDKTH TCPPCPAPEL LGGPSVFLFP PKPKDTLMIS RTPEVTCVVV DVSHEDPEVK FNWYVDGVEV HNAKTKPREE QYNSTYRVVS VLTVLHQDWL NGKEYKCKVS NKALPAPIEK TISKAKGQPR EPQVYTLPPS REEMTKNQVS LTCLVKGFYP SDIAVEWESN GQPENNYKTT</p>

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

PPVLDSGGSF FLYSKLTVDK SRWQQGNVFS CSVMHEALHN HYTQKSLSLG PGK

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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