

Recombinant Mouse CD31 Protein

Catalog #	Source	Reactivity	Applications
CRP2906	Human cells	Mouse	E, WB, SDS-PAGE, MS

Description	Recombinant Mouse CD31 Protein is produced by mammalian expression system and the target gene encoding Glu18-Lys590 is expressed with a 6His tag at the C-terminus.
Form	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Gene Symbol	PECAM1
Alternative Names	Platelet endothelial cell adhesion molecule; PECAM-1; EndoCAM; GPIIA'; PECA1; CD31
Entrez Gene	18613 (Mouse)
SwissProt	Q08481 (Mouse)
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Chemical Structure	EENSFTINSI HMESLPSWEV MNGQQLTLEC LVDISTTSKS RSQHRVLFYK DDAMVYNVTS REHTESYVIP QARVFHSGKY KCTVMLNKE KTTIEYEVKV HGVSKPKVTL DKKEVTEGGV VTVNCSLQEE KPPIFFKIEK LEVGTKFVKR RIDKTSNENF VLMEFPPIEAQ DHVLVFRCA GILSGFKLQE SEPIRSEYVT VQESFSTPKF EIKPPGMIIE GDQLHIRCIV QVTHLVQEFT EIIIQDKAI VATSKOSSEA VYSVMAMVEY SGHYTCKVES NRISKASSIM VNITELFPKP KLEFSSRLD QGELLDLSCS VSGTPVANFT IQKEETVLSQ YQNFSKIAEE SDSGEYSCTA GIGKVVKRSV LVPIQVCEML SKPSIFHDAK SEIKGHAIG ISCQSENGTA PITYHLMKAK SDFQTLEVTS NDPATFTDKP TRDMEYQCRA DNCHSHPAVF SEILRVRVIA PVDEVVISIL SSNEVQSGSE MVLRCVKEG TSPITFQFYK EKEDRPFHQA VVNDTQAFWH NKQASKKQEG QYYCTASNRA SSMRTSPRSS TLAVRVFLAP WKKHHHHHHH
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
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

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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