

Recombinant Human CD115 Protein

Catalog #	Source	Reactivity	Applications
CRP2586	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human CD115 Protein is produced by mammalian expression system and the target gene encoding Ile20-Pro517 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 CSF1R

Alternative Names FMS; Macrophage colony-stimulating factor 1 receptor; CSF-1 receptor; CSF-1-R; CSF-1R; M-CSF-R; Proto-oncogene c-Fms; CD115

Entrez Gene 1436 (Human)

SwissProt P07333 (Human)

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

Chemical Structure IPVIEPSVPE LVVKPGATVT LRCVGNNGSVE WDGPPSPHWT LYS DGSSSIL STNNATFQNT
 GTYRCTEPGD PLGGSAAIHL YVKD PARPWN VLAQEVVVE DQDALLPCLL TDPVLEAGVS
 LVRVRGRPLM RHTNYSFSPW HGFTIHRAKF IQSQDYQCSA LMGGRKVM SI SIRLKVQKVI
 PGPPALTLVP AELVRIRGEA AQIVCSASSV DVNFDVFLQH NNTKLAIPQQ SDFHNNRYQK
 VLTLNLDQVD FQHAGNYSCV ASNVQGKHST SMFFRVVESA YLNLSSSEQNL IQEVTVGEGL
 NLKVMVEAYP GLQGFNWTYL GPFSDHQPEP KLANATTKDT YRHTFTLSLP RLK PSEAGRY
 SFLARNPGGW RALTFELTLR YPPEVSVIWT FINGSGTLLC AASGYQPNV TWLQCSGHTD
 RCDEAQLVQV WDDPYPEVLS QEPFHKVTVQ SLLTVETLEH NQTYECRAHN SVGSGSWAFI
 PISAGAHTHP PDEFLLTPDI EGRMDPKSCD KTHTCPPCPA PELLGGPSVF LFPPKPKDTL
 MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ
 DWLNGKEYKC KVS NKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG

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

FYPSDIAVEW ESNGQPENNY KTTTPVLDSG GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA
LHNHYTQKSL SLSPGK

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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