

Recombinant Human CD123 Protein

Catalog #	Source	Reactivity	Applications
CRP2590	Human cells	Human	E, WB, SDS-PAGE, MS

Description	Recombinant Human CD123 Protein is produced by mammalian expression system and the target gene encoding Thr19-Arg305 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	IL3RA
Alternative Names	IL3R; Interleukin-3 receptor subunit alpha; IL-3 receptor subunit alpha; IL-3R subunit alpha; IL-3R-alpha; IL-3RA; CD123
Entrez Gene	3563 (Human)
SwissProt	P26951 (Human)
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Chemical Structure	TKEDPNPPIT NLRMKAKAQQ LTWDLNRNVT DIECVKDADY SMPAVNNSYC QFGAISLCEV TNYTVRVANP PFSTWILFPE NSGKPWAGAE NLTCWIHDVD FLSCSWAVGP GAPADVQYDL YLNVANRRRQQ YECLHYKTDA QGTRIGCRFD DISRLSSGSQ SSHILVRGRS AAFGIPCTDK FVVFSQLIEIL TPPNMTAKCN KTHSFMHWKM RSHFNRKFRY ELQIQKRMQP VITEQVRDRT SFQLLNPGTY TVQIRARERV YEFLSAWSTP QRFECDDQEEG ANTRAWRDIE GRMDEPKSCD KTHTCPPCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVSNAKALPAP IEKTISKAKG QPREPQVYTL PPSREEMTKN QVSLTCLVKG FYPSDIAVEW ESNQQPENNY KTTTPVLDS 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
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

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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