

Recombinant Human Interleukin-3 Receptor alpha/CD123 Fc Chimera Protein, Insect Cells Derived



Catalog No: #AP60003

Orders: order@signalwayantibody.com

Package Size: #AP60003-1 10ug #AP60003-2 100ug #AP60003-3 500ug

Support: tech@signalwayantibody.com

Description

Product Name	Recombinant Human Interleukin-3 Receptor alpha/CD123 Fc Chimera Protein, Insect Cells Derived
Host Species	Insect Cell
Purification	> 95 % by SDS-PAGE analyses.
Calculated MW	Approximately 60.3 kDa on SDS-PAGE under reducing conditions, containing 529 amino acids.
Target Sequence	AGMGTKEDPN PPITNLRMKA KAQQLTWDLN RNVTDIECVK DADYSMPAVN NSYCQFGAIS LCEVTNYTVR VANPPFSTWI LFPENSGKPW AGAENLTCWI HDVDFLSCSW AVGPGAPADV QYDLYLVAN RRQQYECLHY KTDAQGTRIG CRFDDISRLS SGSQSSHILV RGRSAAFVIP CTDKVFVFSQ IEILTPPNT AKCNKTHSFM HWKMRSFNR KFRYELQIQK RMQPVITEQV RDRTSFQLLN PGTYTVQIRA RERVYEFSLA WSTPQRFECQ QEEGANTRAW RIEGRMDEPK SSDKTHTCPP CPAPEFEGAP SVFLFPPKPK DTLMISRTPE VTCVVVDVSH EDPEVKFNWY VDGVEVHNAK TKPREEQYNS TYRVVSVLTV LHQDWLNGKE YKCKVSNKAL PTPIEKTISK AKGQPREPQV YTLPPSRDEL TKNQVSLTCL VKGFYPSDIA VEWESNGQPE NNYKTTTPVL DSDGSFFLYS KLTVDKSRWQ QGNVFSCSVM HEALHNHYTQ KSLSLSPGK
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.0, with 0.02 % Tween-20.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.- 12 months from date of receipt, -20 to -70 °C as supplied.- 1 month, 2 to 8 °C under sterile conditions after reconstitution.- 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Background

Interleukin-3 receptor (IL-3 R) is a heterodimeric structure composed of a 70 kDa IL-3 R alpha subunit (IL-3 R α or CD123) and a 120-140 kDa IL-3 R beta subunit (IL-3 R β or CD131). IL-3R α is a glycoprotein member of the hematopoietic receptor superfamily. IL-3 R α binds IL-3 with relatively low affinity. In the presence of IL-3 R β , however, IL-3 R alpha has a much higher affinity for IL-3. Emerging studies demonstrate that CD123, the IL-3 R α , is highly expressed in leukemic stem cells (LSCs), while not normal hematopoietic stem cells (HSCs), and associates with treatment response, minimal residual disease (MRD) detection and prognosis. Furthermore, CD123 is an important marker for the identification and targeting of LSCs for refractory or relapsed leukemia.

Note: This product is for in vitro research use only