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32-20617: Recombinant Human sIL-6 Receptor Alpha (CHO derived)(Discontinued)

Alternative Name : soluble IL-6 receptor alpha, B cell stimulatory factor-2, CD126

Description

Source:CHO cells
IL-6 mediates its biological effects through the type I IL-6 receptor system that consists of two chains, IL-6RAlpha and gp130.Â While the IL-6RAlpha chain is the binding component specific to IL-6, the gp130 chain only transmits signals of IL-6 when bound to IL-6RAlpha .Â The gp130 can also transmit signals from LIF, OSM, CNTF, IL-11 and CT-1 in conjunction with other receptor subunits.Â The low-affinity binding site for IL-6 is composed of IL-6RAlpha alone.Â IL-6RAlpha is expressed in a wide range of cells, including T cells, fibroblasts and macrophages.Â Soluble IL-6RAlpha , which consists of only the extracellular domain of the IL-6RAlpha chain, acts as an agonist of IL-6 activity at low concentrations. The CHO cell-derived Recombinant Human sIL-6 Receptor Alpha is a 37.9 kDa glycoprotein corresponding to 339 amino acid residues of the extracellular domain of IL-6RAlpha . As a result of glycosylation, Recombinant Human sIL-6 Receptor Alpha migrates with an apparent molecular mass of approximately 57-70 kDa by SDS-PAGE gel, under reducing conditions.

Product Info

Amount : 5 µg / 20 µg
Purification : Purity:>= 95% by SDS-PAGE gel and HPLC analyses.
Content : This recombinant protein is supplied in lyophilized form.
Amino Acid : LAPRRCPAQE VARGVLTSLP GDSVTLTCPG VEPEDNATVH WVLRKPAAGS HPSRWAGMGR RLLLRSVQLH DSGNYSCYRA GRPAGTVHLL VDVPPEEPQL SCFRKSPLSN VVCEWGPRST PSLTTKAVLL VRKFQNSPAE DFQEPCQYSQ ESQKFSCQLA VPEGDSSFYI VSMCVASSVG SKFSKTQTFQ GCGILQPDPP ANITVTAVAR NPRWLSVTWQ DPHSWNSSFY RLRFELRYRA ERSKTFTTWM VKDLQHHCVI HDAWSGLRHV VQLRAQEEFG QGEWSEWSPE AMGTPWTESR SPPAENEVST PMQALTTNKD DDNILFRDSA NATSLPVQD

Application Note

Determined by its ability to intensify the IL-6 induced growth inhibition of mouse M1 cells.ÃÂ The expectedÃÂ ED_{50}ÃÂ is <=5.0 ng/ml, in the presence of 20 ng/ml of rhIL-6.