

32-20627: Recombinant Murine IL-12 p70(Discontinued)

Reactivity : Human, Mouse

Alternative Name : NKSF, CTL maturation factor (TCMF), Cytotoxic lymphocyte maturation factor (CLMF), TSF

Description

Source:CHO cells

IL-12 is a potent regulator of cell-mediated immune responses and it induces IFN-Gamma production by NK and T cells. It is produced by activated monocytes/macrophage cells, B lymphocytes and connective tissue-type mast cells. Among its biological activities, IL-12 promotes the growth and activity of activated NK, CD4+ and CD8+ cells, and induces the development of IFN-Gamma-producing Th1 cells. Recombinant Murine IL-12 is a 75.0 kDa heterodimeric glycoprotein consisting of disulfide-linked 35 kDa (p35) and 40 kDa (p40) subunits (506 total amino acid residues).

Product Info

Amount : 2 µg / 10 µg

Purification : Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

Content : This recombinant protein is supplied in lyophilized form.

Amino Acid :
p35 Subunit: RVIPVSGPAR CLSQRNLLK TTDDMVKTAR EKLKHYSCA EDIDHEDITR DQTSTLKTCL
PLELHKNESEC LATRETSSTT RGSLPPQKT SLMMTLCLGS IYEDLKMYQT EFQAINAALQ NHHHQIILD
KGMLVAIDEL MQSLNHNGET LRQKPPVGEA DPYRVKMKLC ILLHAFSTRV VTINRVMGYL SSA p40
Subunit: MWELEKDVYV VEVDWTPDAP GETVNLCDT PEEDDITWTS DQRHGVIGSG KTLTITVKEF
LDAGQYTCHK GGETLSHSHL LLHKENGIW STEILKNFKN KTFKCEAPN YSGRFTCSWL VQRNMDLKFN
IKSSSSPDS RAVTCGMASL SAEKVTLQDR DYKYSVSCQ EDVTCPTAEE TLPIELALEA RQQNKYENYS
TSFFIRDIK PDPPKNLQMK PLKNSQVEVS WEYPDSWSTP HSYFSLKFFV RIQRKKEKMK ETEEGCNQKG
AFLVEKTSTE VQCKGGNVCV QAQDRYYNSS CSKWACVPCR VRS

Application Note

Determined by its ability to induce cell proliferation in T-cell enriched PBMCs. The expected ED₅₀ is <=0.1 ng/ml, corresponding to a specific activity of >= 1 x 10⁷ units/mg.