

32-6441: IL-10 Human, Sf9

Application : Functional Assay

Alternative Name : Interleukin-10, IL-10, Cytokine synthesis inhibitory factor, CSIF, IL10, GVHDS, IL10A, TGIF, T-Cell Growth Inhibitory Factor.

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

Interleukin 10 or IL-10 or human cytokine synthesis inhibitory factor, is a cytokine (anti-inflammatory). IL10 gene is coding for il-10 In humans. Interleukin 10 has a receptor complex that is built from a couple of IL-10 receptor-1 and a couple of IL-10 receptor-2 proteins. therefore, the whole receptor unit consists of four IL-10 receptor molecules. IL-10 binds the receptor and causes STAT3 signalling through the phosphorylation of the cytoplasmic ends of IL-10 receptor 1 and IL-10 receptor 2 through JAK1 and Tyk2.

IL-10 Human produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 166 amino acids (19-178 aa) and having a molecular mass of 19.4kDa. IL-10 is fused to a 6 amino acid His tag at C-terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 95.0% as determined by SDS-PAGE.

Content : The IL-10 solution (0.5mg/ml) contains 10% Glycerol and Phosphate-Buffered Saline (pH 7.4).

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid : SPGQGTQSEN SCTHFPGNLP NMLRDLRDAF SRVKTFQMK DQLDNLLLKE SLLEDFKGYL GCQALSEMIQ FYLEEVMPPQA ENQDPDIKAH VNSLGENLKT LRLRLRRCHR FLPCENKSKA VEQVKNAFNK LQEKGIYKAM SEFDIFINYI EAYMTMKIRN HHHHHH.

Application Note

Measured in a cell proliferation assay using MC/9 mouse mast cells. The ED50 range < 5 ng/ml.