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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 10Â or IL-10 orÂ human cytokine synthesis inhibitory factor, is aÂ cytokine (anti-inflammatory). IL10Â gene is coding for il-10 In humans. Interleukin 10Â has a receptor complex that is built from a couple of IL-10 receptor-1 and a couple of IL-10 receptor-2 proteins. therfore, 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 SRVKTFFQMK DQLDNLLLKE SLLEDFKGYL GCQALSEMIQ FYLEEVMPQA 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.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.