

Interleukin-10, 19-178aa, Human, His-Tagged, Recombinant, E.coli

Cat.NO.: TP02677

3th Edition

Synonyms:IL-10, CSIF, TGIF, IL10A

Description:Interleukin-10 (IL-10) is also known as human cytokine synthesis inhibitory factor (CSIF) and inhibits the synthesis of pro-inflammatory cytokines like IFN-gamma, IL2, IL3, TNF and GM-CSF produced by activated macrophages and by helper T-cells. This protein has effects in immunoregulation and inflammation and downregulates the expression of Th1 cytokines, MHC class II antigens, and costimulatory molecules on macrophages.

Form:Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol

Molecular Weight:20.94 kDa (181 aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMSPGQGTQSENSCTHFPGNLPNMLRDLRDAFSRVKTFQMKDQLDNLLLKESLL
EDFKGYLGQCQALSEMIQFYLEEVMPPQAENQDPDIKAHVNSLGENLKTLLRRLRRCHRFLPCENKSKAVEQVKNAFN
KLQEKGIYKAMSEFDIFINYIEAYMTMKIRN

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.