

32-20449: Recombinant Murine IL-10(Discontinued)

Reactivity : Human, Mouse, Rat

Alternative Name : B-TCGF, CSIF, TGIF

Description

Source: *E. coli* IL-10 is an immunosuppressive cytokine produced by a variety of mammalian cell types including macrophages, monocytes, T cells, B cells and keratinocytes. IL-10 inhibits the expression of proinflammatory cytokines such as IL-1 and TNF-Alpha. Like IL-4, IL-10 enhances humoral immune responses and attenuates cell-mediated immune reactions. Human IL-10 is active on murine cells, but murine IL-10 is inactive on human cells. Recombinant Murine IL-10 is an 18.7 kDa protein of 161 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 : MSRGQYSRED NNCTHFPVGQ SHMLLELRTA FSQVKTFQT KDQLDNILLT DSLMQDFKGY LGCQALSEMI QFYLVEVMPQ AEKHGPEIKE HLNSLGQKLK TLRMLRRCH RFLPCENKSK AVEQVKSDFN KLEDQGVYKA MNEFDIFINC IEAYMMIKMK S

Application Note

Murine IL-10 is fully biologically active as measured by the dose-dependent co-stimulation (with IL-4) of the proliferation of murine MC/9 cells. The ED₅₀ was found to be < 2 ng/ml, corresponding to a specific activity of > 5 x 10⁵ units/mg.