

## 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 FSQVKTFQTD 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 ED<sub>50</sub> was found to be < 2 ng/ml, corresponding to a specific activity of > 5 x 10<sup>5</sup> units/mg.