

Recombinant Mouse IL-10 Protein (BL-45429)

Product information

Product name	Recombinant Mouse IL-10 Protein (BL-45429)
Catalog Number	BL-45429
Source	E.coli
Synonyms	B-TCGF, CSIF, TGIF
AA Sequence	MSRGQYSRED NNCTHFPVGQ SHMLLELRTA FSQVKTFQT KDQLDNILLT DSLMQDFKGY LGCQALSEM QFYLVEVMPQ AEKHGPEIKE HLNSLGQKLL TLRMRLRRCH RFLPCENKSK AVEQVKSDFN KLEDQGVYKA MNEFDIFINC IEAYMMIKMK S
Purity	≥ 98% by SDS-PAGE gel and HPLC analyses
Biological Activity	Mouse 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 ₅₀ was found to be < 2 ng/ml, corresponding to a specific activity of > 5 x 10 ⁵ units/mg.
Cross Reactivity	Human, Mouse, Rat
Conjugate	N/A

Background

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- α . 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.

Manufactured using all Animal-Free reagents.