

Recombinant Rat Interleukin-10 (rr IL-10)

Interleukin-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 active on murine cells, but murine IL-10 is inactive on human cells.

Recombinant rat IL-10 is an 18.7 kDa protein of 160 amino acid residues.

Synonyms :	Cytokine synthesis inhibitory factor (CSIF), B-TCGF, TGIF
Source:	<i>Escherichia coli</i>
AA Sequence:	The first five N-terminal amino acids was found to be Met-Ser-Lys-Gly-His.
Formulation:	Lyophilisate from a 0.22 μ m filtered carrier free solution in 25mM PBS, pH-7.25 and 100mM NaCl.
Reconstitution:	Reconstitute in sterile endotoxin free water not less than 100 μ g/ml
Stability:	The lyophilized protein is stable for at least 2 years at -20° C. Reconstituted rr IL-10 is stable for at least 3 months when stored in concentrated working aliquots (100 ng/ μ l or higher) at -20° C. Avoid repeated freeze/thaw cycles.
Biological Activity:	The ED ₅₀ as determined by the dose-dependent inhibition of antigen-specific T cell proliferation is less than 10ng/ml
Purity:	95% (verified by SDS-PAGE / silver stain)
Endotoxicity:	The endotoxin level is less than 0.1 ng per μ g (1EU/ μ g) determined by LAL method
Order N^o:	rr IL-10+Size available sizes: 2 μ g, 10 μ g, 50 μ g

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