

Recombinant Murine IL-10

CATALOG #:	4156-10	10 µg
	4156-50	50 µg
	4156-1000	1 mg
LOT #:	_____	
SOURCE:	<i>E. coli</i>	
PURITY:	>98% by SDS-PAGE and HPLC analyses Endotoxin level is <0.1 ng per µg of IL-10.	
MOL. WEIGHT:	18.7 kDa	
FORMULATION:	Lyophilized from 3 mM Tris, pH 8.0	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in 3 mM Tris, pH 8.0 to a concentration of 0.1-1.0 µg/µl. The solution can then be diluted into other aqueous buffers and stored at 4° C for 1 week or -20° C for future use.

STORAGE CONDITIONS:

The lyophilized IL-10 is best-stored desiccated below 0° C. Reconstituted IL-10 should be stored at working aliquots at -20° C.

DESCRIPTION:

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 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.

BIOLOGICAL ACTIVITY:

The ED₅₀ determined by the dose-dependent co-stimulation (with murine IL-4) of MC/9 cells is <2 ng/ml, corresponding to a specific activity of $\geq 5 \times 10^5$ units/mg.

FOR RESEARCH USE ONLY! Not to be used on humans.

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- Apoptosis Inducers and Set
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