

Active Recombinant Human IL10, Fc-tagged

Cat. No. IL10-326H Lot. No. (See product label)

SPECIFICATION

Product Overview	The extracellular domain of human IL-10 (aa 19-178) is fused to the N-terminus of the Fc region of a mutant human IgG1.
Species	Human
Source	CHO
ProteinLength	19-178 a.a.
Description	Interleukin-10 (IL-10) is a cytokine produced by activated Th2 cells, B cells, keratinocytes and monocytes/macrophages. In vitro murine and human IL-10 inhibits cytokine synthesis by Th1 cells, natural killer cells and monocytes/macrophages. Several studies have suggested the potential application of IL-10 as an anti-inflammatory agent in the treatment of septic shock and as an immunosuppressive agent in certain T cell mediated autoimmune diseases.
Form	Lyophilized from 0.2µm-filtered solution in PBS.
Bio-activity	Shows the biological function of the IL-10 moiety and exerts a prolonged circulating half-life caused by the modified Fc domain.
Purity	≥98% (SDS-PAGE)
Stability	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.

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Storage Short Term Storage: +4°C; Long Term Storage: -20°C. Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name [IL10 interleukin 10 \[Homo sapiens \]](#)

Official Symbol IL10

Synonyms IL10; interleukin 10; interleukin-10; CSIF; cytokine synthesis inhibitory factor; IL 10; IL10A; T cell growth inhibitory factor; TGIF; T-cell growth inhibitory factor; GVHDS; IL-10; MGC126450; MGC126451;

Gene ID [3586](#)

mRNA Refseq [NM_000572](#)

Protein Refseq [NP_000563](#)

MIM [124092](#)

UniProt ID [P22301](#)

Chromosome Location 1q31-q32

Pathway African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Asthma, organism-specific biosystem;

Function cytokine activity; growth factor activity; interleukin-10 receptor binding;

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