

Recombinant Mouse IL10 Protein

Cat. No. IL10-500M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IL10 protein
Species	Mouse
ProteinLength	178
Description	This gene encodes an anti-inflammatory cytokine that is a member of the class-2 cytokine family. The encoded protein is secreted by cells of both the innate and adaptive immune systems and is crucial for limiting the immune response to a broad range of pathogens. It also has been shown to suppress autoimmune responses. This protein mediates it's immunosuppressive signal through a specific interleukin 10 receptor complex. Aberrant functioning of this gene is associated with numerous immune disorders including graft-versus-host disease, and increased susceptibility to HIV-1 infection and rheumatoid arthritis.
Form	Lyophilized
AA Sequence	MPGSALLCCLLLLTGMRISRGQYSREDNNCTHFPVGQSHMLLELRTAFSQVKTFQ TKDQLDNILLTDSLMQDFKGYLGCGALSEMIQFYLVEMPQAEKHGPEIKEHLNSLG EKLKTLRMRLRRCHRFPCENKSKAVEQVKSDFNKLQDQGVYKAMNEFDIFINCIEA YMMIKMKS
Purity	> 98%
Applications	WB; ELISA; FACS; FC

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Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	IL10 interleukin 10 [<i>Mus musculus</i> (house mouse)]
Official Symbol	IL10
Synonyms	IL10; interleukin 10; interleukin-10; cytokine synthesis inhibitory factor; CSIF; IL-10;
Gene ID	16153
mRNA Refseq	NM_010548
Protein Refseq	NP_034678
UniProt ID	P18893

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