

## Recombinant Mouse IL10 Protein

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse IL10 protein
<b>Species</b>	Mouse
<b>ProteinLength</b>	178
<b>Description</b>	<p>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 its 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.</p>
<b>Form</b>	Lyophilized
<b>AA Sequence</b>	<p>MPGSALLCCLLLLTGMRISRQYSREDNNCTHFPVGQSHMLLELRTAFSQQVKTFFQ TKDQLDNILLTDSLMLQDFKGYLGCQALSEMIQFYLVVMPQAEKHGPEIKEHLNSLG EKLKTLRMLRRLRRCHRFLPCENKSKAVEQVKSDFNKLQDQGVYKAMNEFDIFINCIEA YMMIKMKS</p>
<b>Purity</b>	> 98%
<b>Applications</b>	WB; ELISA; FACS; FC

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<b>Stability</b>	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.
<b>Storage</b>	At -20 centigrade.
<b>Storage Buffer</b>	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
<b>Reconstitution</b>	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

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

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