


## Mouse IL-10 Protein

Cat #: PRP1141

Size: 5µg/20µg/100µg/1mg

### Product Information

	<b>Product Name:</b> Mouse IL-10 Protein		
<b>REF</b>	<b>Catalog Number:</b> PRP1141	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Purity:</b> >98% as determined by SDS-PAGE		
	<b>Storage:</b> Store at -20°C		<b>Preparation method:</b> E. coli
	<b>Shipping:</b> The product is shipped at ambient temperature.		

**Background:** IL-10 is an anti-inflammatory cytokine that belongs to the IL-10 family. It is produced by a variety of cell lines, including T-cells, macrophages, mast cells, and other cell types, while it is produced primarily by monocytes and to a lesser extent by lymphocytes. IL-10 is mainly expressed in monocytes and Type 2 T helper cells (TH2), mast cells, CD4+CD25+Foxp3+ regulatory T cells, and also in a certain subset of activated T cells and B cells. IL-10 has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. IL-10 can block NF-kappa B activity and is involved in the regulation of the JAK-STAT signaling pathway.

**Sequence:** Amino acid sequence derived from Mouse IL-10 (P18893) (Ser19-Ser178) was expressed with 6×His tag at the C-terminus.

**Protein length:** The recombinant Mouse IL-10 consists of 161 amino acids and predicts a molecular mass of 18.9 kDa.

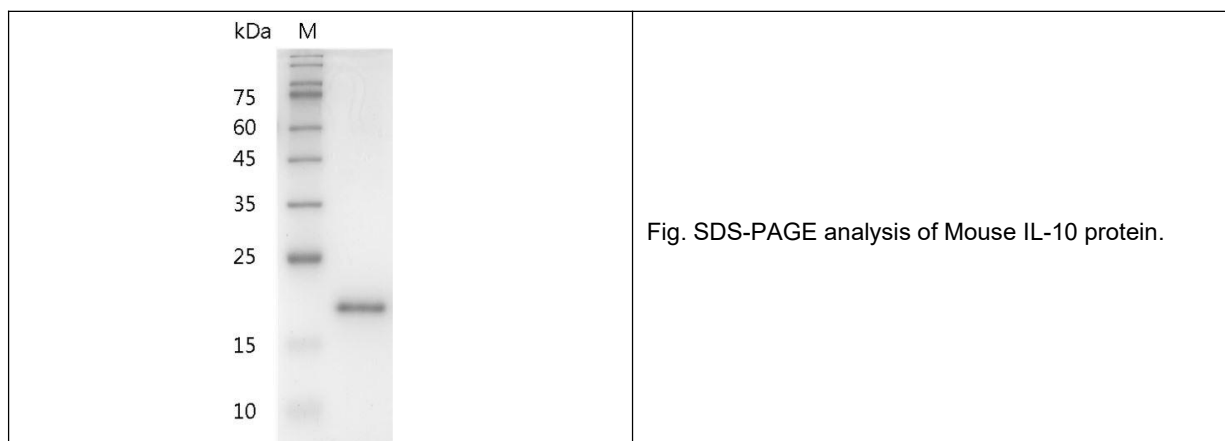
**Biological Activity:** Testing in progress.

**Endotoxin:** <0.1 EU per µg of the protein as determined by the LAL method.

**Formulation:** The protein was lyophilized from a 0.2 µm filtered solution containing PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.

**Storage Instructions:** Lyophilized protein product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (5% HSA, 10%FBS or 0.1%BSA). Please prevent freeze-thaw cycles.

**Usage notes:** Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant Mouse IL-10 protein to a concentration of 0.1-1 mg/mL in sterile ddH<sub>2</sub>O, and keep at room temperature for at least 20 min to fully dissolve. Please avoid vortex vigorously.



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