

Recombinant Murine Interleukin-10

Catalog No: #AP60158

Package Size: #AP60158-1 10ug #AP60158-2 100ug #AP60158-3 500ug

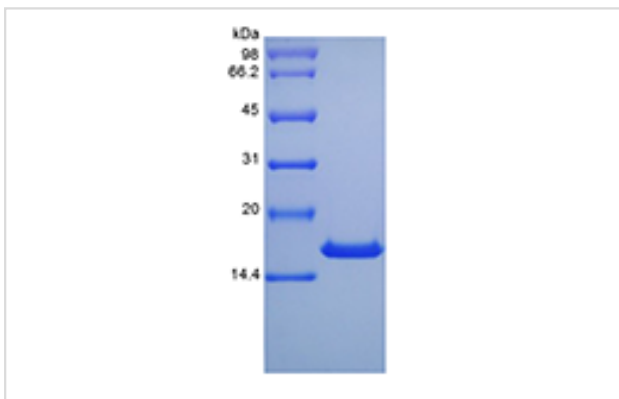
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Description

Product Name	Recombinant Murine Interleukin-10
Host Species	Escherichia coli.
Purification	> 97 % by SDS-PAGE and HPLC analyses.
Other Names	CSIF
Uniprot	P18893
GeneID	16153
Calculated MW	Approximately 18.7 kDa, a single non-glycosylated polypeptide chain containing 160 amino acids.
Target Sequence	SRGQYSREDN NCTHFPVGQS HMLLELR TAF SQVKTF FQTK DQLDNILLTD SLMQDFKGYL GCQALSEMIQ FYLVEVMPQA EKHGPEIKEH LNSLGEK LKT LRMRLRRCHR FLPCENKSKA VEQVKSDFNK LQDQGVYKAM NEFDIFINCI EAYMMIKMKS
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS, pH 7.4.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.- 12 months from date of receipt, -20 to -70 °C as supplied.- 1 month, 2 to 8 °C under sterile conditions after reconstitution.- 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Images



Background

Interleukin-10 (IL-10) is encoded by the IL10 gene and expressed in monocytes and Type 2 T helper cells (Th2). The biological activities of IL-10 are mediated by the IL-10 receptor complex, which is composed of the ligand-binding IL-10 R α /R1 and the accessory IL-10 R β /R2 subunits. IL-10 is capable of inhibiting the synthesis of a number of cytokines, including IFN-gamma, IL-2, IL-3, TNF and GM-CSF produced by activated macrophages and by T helper cells. IL-10 is classified as a class 2 cytokine which consist of IL-10, IL-19, IL-20, IL-22, IL-24 and IL-26, several interferons and interferon-like molecules. Mature murine IL-10 shares 70 %-77 % amino acid sequence identity with human, bovine, porcine IL-10, but murine IL-10 does not act on human cells.

Note: This product is for in vitro research use only