Cxcl10

Recombinant Mouse Inteferon Gamma-inducible Protein 10 Chemokine (CXC motif) Ligand 10

Catalog No.	CRI301A	**Quantity:**	5 µg
	CRI301B		25 µg
	CRI301C		1.0 mg

Alternate Names: Interferon-inducible Protein 10, C7, crg-2, gIP-10, IFI10, INP10, SCYB10

Description: Gamma-Interferon Inducible Protein 10 (IP-10) /CXCL10 was originally identified as an IFN-D-inducible gene in monocytes, fibroblasts and endothelial cells. It has since been shown that IP-10 mRNA is also induced by LPS, IL-1E, TNF-F, IL-12 and viruses. Additional cell types that have been shown to express IP-10 include activated T-lymphocytes, splenocytes, keratinocytes, osteoblasts, astrocytes, and smooth muscle cells. IP-10 is also expressed in psoriatic and lepromatous lesions of skin. The mouse homologue of human IP-10, Crg-2, has been cloned and shown to share approximately 67% amino acid sequence identity with human IP-10.

GeneID: 15945

Protein Accession No: P17515

Source: *E. coli*

Molecular Weight: Approximately 8.7 kDa, a single non-glycosylated polypeptide chain containing 77 amino acids.

Formulation: Lyophilized from a 0.2 µm filtered concentrated solution in 2 × PBS, pH 7.4.

Purity: >97% by SDS-PAGE and HPLC analyses.

Endotoxin Level: Less than 1EU/µg as determined by LAL method.

Biological Activity: Fully biologically active when compared to standard. The biologically active determined by a chemotaxis bioassay using human peripheral blood lymphocytes is in a concentration range of 0.1-10.0 ng/ml in the presence of IL-2.

Amino Acid Sequence: IPLARTVRCN CIHIDDGPVR MRAIGKLEII PASLSCPRVE IIATMKKNDE QRCLNPESKT IKNLMKAFSQ KRSKRAP

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/ml. Further dilutions should be made in appropriate buffered solutions.

Storage & Stability: This lyophilized preparation is stable at 2-4°C, but should be kept desiccated at -20°C for long term storage. Upon reconstitution, the preparation is stable for up to one week at 2 -4°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. **Avoid repeated freeze/thaw cycles.**

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