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Cxcl10
Recombinant Mouse IP-10 / CXCL10

Catalog No.	CRM429A	**Quantity:**	5 µg
	CRM429B		100 µg
	CRM429C		1 mg

Alternate Names: 10 kDa Interferon gamma-induced protein, C-X-C motif chemokine 10, Gamma-IP10, IP -10, C7, small-inducible cytokine B10, CXCL10, CRG-2

Description: Interferon gamma-induced protein 10 (IP-10), or CXCL10, is a chemokine secreted by monocytes, endothelial cells and fibroblasts in response to interferon gamma (IFNγ). IP -10 functions as a chemoattractant for activated T cells, monocytes, dendritic, and natural killer (NK) cells that express the G protein-coupled receptor CXCR3. IP-10 is an important factor in autoimmune diseases such as Hashimoto's thyroiditis, Graves' disease, and Type 1 diabetes mellitus.

Gene ID: 15945

UniProt ID: P17515

Source: *E. coli*

Molecular Weight: Monomer, 8.7 kDa (77 aa)

Formulation: Lyophilized from a sterile-filtered solution containing 0.1% Trifluoroacetic Acid (TFA)

Purity: ≥95% by reducing and non-reducing SDS-PAGE

Endotoxin Level: ≤1 EU/µg by kinetic LAL analysis

Biological Activity: Demonstrates primary human T cell chemotaxis at a lower limit of 5 ng/ml.

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

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water to reconstitute to a recommended concentration of 0.1 mg/mL and gently pipet solution up and down sides of vial. **DO NOT VORTEX**. Allow several minutes for reconstitution. A small amount of precipitate may be seen.

Storage & Stability: **Upon receipt**, store as supplied at -20°C to -80°C for up to one year. **Upon reconstitution**, the preparation is stable for up to one month at 2-8°C. **For long term storage**, reconstitute in working aliquots in 0.1% BSA solution and store at -80°C. **Avoid repeated freeze-thaw cycles.**

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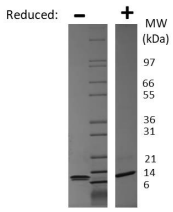

Mouse IP-10 / CXCL10 Gel
Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Mouse IP-10 / CXCL10 is predicted to have a MW of 8.7 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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