

# IP-10/CXCL10

Catalog # PVGS1507

## Product Information

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<b>Primary Accession Species</b>	<a href="#">Q548V9</a> Mouse
<b>Sequence</b>	Ile22-Pro98
<b>Purity</b>	> 95% as analyzed by SDS-PAGE
<b>Endotoxin Level Biological Activity</b>	The EC <sub>50</sub> value of Mouse IP-10 on Ca <sup>2+</sup> mobilization assay in CHO-K1/Gα15/mCXCR3 cells (human Gα15 and mouse CXCR3 stably expressed in CHO-K1 cells) is less than 2.0 µg/ml.
<b>Expression System</b>	E. coli
<b>Formulation Reconstitution</b>	Lyophilized after extensive dialysis against PBS. It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH <sub>2</sub> O or PBS up to 100 µg/ml.
<b>Storage &amp; Stability</b>	Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

## Additional Information

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<b>Target Background</b>	Interferon Inducible Protein 10 (IP-10)/CXCL10 was originally identified as an IFN-γ-inducible gene in monocytes, fibroblasts and endothelial cells. It has since been shown that IP-10 mRNA is also induced by LPS, IL-1β, TNF-α, 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. This chemokine elicits its effects by binding to the cell surface chemokine receptor CXCR3. IP-10 has been attributed to several roles, such as chemo attraction for monocytes and T cells, promotion of T cell adhesion to endothelial cells, antitumor activity, and inhibition of bone marrow colony formation and angiogenesis.
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## Protein Information

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.