

## IP 10 Rhesus macaque

**Description:** IP-10 Rhesus macaque Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 77 amino acids and having a molecular mass of 8.7kDa. The IP-10 is purified by proprietary chromatographic techniques.

**Synonyms:** C-X-C motif chemokine 10, 10 kDa interferon gamma-induced protein, Gamma-IP10, IP-10, Small-inducible cytokine B10, CXCL10, SCYB10.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered White lyophilized (freeze-dried) powder.

**Amino Acid Sequence:** IPLSRTVRCT CISISNPVN PRSLEKLEII PPSQFCPHVE IIATMKKKGE  
KRCLNPESKA IKNLLKAVSK ERSKRSP.

**Purity:** Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

**Formulation:**

Lyophilized from a 0.2

**Stability:**

Lyophilized IP-10 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CXCL10 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 (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Solubility:**

It is recommended to reconstitute the lyophilized IP-10 in sterile 18M-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Introduction:**

Chemokine (C-X-C motif) ligand 10 (CXCL10) is a small cytokine belonging to the CXC chemokine family that is also known as 10 kDa interferon-gamma-induced protein (-IP10 or IP-10). CXCL10 is secreted by several cell types in response to IFN-. These cell types include monocytes, endothelial cells and fibroblasts. CXCL10 has been attributed to several roles, such as chemoattraction for monocytes and T cells, promotion of T cell adhesion to endothelial cells, antitumor activity, and inhibition of bone marrow colony formation and angiogenesis. The gene for CXCL10 is located on human chromosome 4 in a cluster among several other CXC chemokines. This chemokine elicits its effects by binding to the cell surface chemokine receptor CXCR3. The three-dimensional crystal structure of this chemokine has been determined under 3 different conditions to a resolution of up to 1.92Å.

**Biological Activity:**

Determined by its ability to chemoattract human peripheral blood T-Lymphocytes using a

www.neobiolab.com  
info@neobiolab.com  
888.754.5670, +1 617.500.7103 United States  
0800.088.5164, +44 020.8123.1558 United Kingdom  
concentration range of 10.0-100.0 ng/ml.



---

***To place an order, please [Click HERE](#).***

Catalog #:CHPS-017

For research use only.

© 2015 NeoScientific



---

neobiolab | [Term](#) | [Quote/Order](#) | [Services](#) | [Products](#) | [Support](#) | [Corporate](#) | [Contact Us](#)



Copyrights @ 2013 NEO Group 245 First Street, 18th Floor, Cambridge MA 02142 888.754.5670 (toll-free)

Request a  
**CATALOG**  
[CLICK HERE](#)