

IP-10/CXCL10
Catalog # PVGS1188**Specification**

IP-10/CXCL10 - Product Information

Primary Accession [Q548V9](#)
Species
Mouse

Sequence
Ile22-Pro98

Purity
> 97% as analyzed by SDS-PAGE
> 97% as analyzed by HPLC

Endotoxin Level
< 1 EU/ µg of protein 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.

Expression System
E. coli

Theoretical Molecular Weight
8.7 kDa

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

Reconstitution
It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml.

Storage & Stability
Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.

IP-10/CXCL10 - Additional Information

Target Background
TFAA-2 also named FAM19A2 belongs to the TFAA family of chemokinelike proteins. Like other members of the FAM19/TFAA family, with the exception of TFAA5, mature TFAA1 to 4 contain 10 regularly spaced cysteine residues. Human TFAA2 is 97% aa identical to mouse TFAA2. TFAA2 expression can be detected in the central nervous system (CNS), colon, heart, lung, spleen, kidney, and thymus, but its expression in the CNS is 50 to 1000fold higher than in other tissues.

Within the CNS, TFA2 expression is highest in the occipital and frontal cortex (3 to 10fold more abundantly expressed than in other cortical regions) and medulla. The biological functions of TFA family members remain to be determined, but there are a few tentative hypotheses.

IP-10/CXCL10 - Protein Information

IP-10/CXCL10 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IP-10/CXCL10 - Images