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MIG/CXCL9

Catalog # PVGS1494

Specification

MIG/CXCL9 - Product Information

Primary Accession P18340

Species
Mouse

Sequence
Thr22-Thr126, expressed with an N-terminal Met

Purity
> 95% as analyzed by SDS-PAGE

Endotoxin Level
< 0.2 EU/ µg of protein by gel clotting method

Biological Activity
The EC₅₀ value of Mouse MIG/CXCL9 on Ca²⁺ 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.

Expression System
E. coli

Formulation **Lyophilized after extensive dialysis against PBS.**

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 ddH_2O or PBS up to 100 µg/ml.

Storage & Stability
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.

MIG/CXCL9 - Additional Information

Gene ID 17329

Other Names
C-X-C motif chemokine 9, Gamma-interferon-induced monokine, Monokine induced by interferon-gamma, MIG, MuMIG, Protein m119, Small-inducible cytokine B9, Cxcl9, Mig, Scyb9

Target Background
Chemokine (C-X-C motif) ligand 9 (CXCL9), also known as monokine induced by interferon gamma (MIG), is a small cytokine belonging to the CXC chemokine family.The CXCL9 gene is induced in

macrophages and in primary glialcells of the central nervous systemin response to IFNγ. CXCL9 has been shown to be achemo attractant for activated Th1lymphocytes and tumor-infiltrating leukocytes (TILs) but not for neutrophils or monocytes. CXCL is also involved in other cellular activities including inhibition of tumor growth, angiogenesis, and inhibition of colony formation of hematopoietic progenitors. CXCL9 is closely related to two other CXC chemokines, CXCL10 and CXCL11.CXCL9, CXCL10 and CXCL11 all elicit their chemotactic functions by interacting with the chemokine receptor CXCR3.

MIG/CXCL9 - Protein Information

Name Cxcl9

Synonyms Mig, Scyb9

Function
May be a cytokine that affects the growth, movement, or activation state of cells that participate in immune and inflammatory response.

Cellular Location
Secreted.

MIG/CXCL9 - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MIG/CXCL9 - Images