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MIG/CXCL9

Catalog # PVGS1494

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	
Biological Activity	The EC_{50} value of Mouse MIG/CXCL9 on Ca^{2+} mobilization assay in CHO-K1/Gα15/mCXCR3 cells (human Gα15 and mouse CXCR3 stably expressed in CHO-K1 cells) is less than 2.0 g/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 g/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.

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.

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.

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