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32-6611: MIG Bovine

Application : Functional Assay

Alternative Name : Small inducible cytokine B9, CXCL9, Gamma INF-induced monokine, MIG, chemokine (C-X-C motif) ligand 9, CMK, Humig, SCYB9, crg-10, monokine induced by gamma-INF.

Description

Source: Escherichia Coli.
Sterile Filtered White lyophilized (freeze-dried) powder.
Chemokine (C-X-C motif) ligand 9 (CXCL9) is a small cytokine belongs to the CXC chemokine family that is also known as Monokine induced by gamma INF (MIG). CXCL9 is closely related to two other CXC chemokines called CXCL10 and CXCL11, whose genes are located near the gene for CXCL9 on human chromosome 4. CXCL9, CXCL10 and CXCL11 all elicit their chemotactic functions by interacting with the chemokine receptor CXCR3.
MIG (CXCL9) BovineRecombinant produced in E.Coli is a non-glycosylated polypeptide chain containing 104 amino acids and having a molecular mass of approximately 18.0kDa.MIG is purified by proprietary chromatographic techniques.

Product Info

Amount :	50 µg / 100 µg
Purification :	Greater than 96.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	Lyophilized from a 0.2µm filtered concentrated solution in 20 mM PB and 500mM NaCl, pH 7.0. It is recommended to reconstitute the lyophilized MIG (CXCL9) in sterile 18M Omega -cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Storage condition :	Lyophilized MIG although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution MIG (CXCL9) should be stored at 4°C between 2-7 days and for future use below -18°C.Please prevent freeze-thaw cycles.
Amino Acid :	VPAIRNGRCS CINTSQGMIH PKSLKDLKQF APSPSCEKTE IIATMKNGNE ACLNPDLPEV KELIKEWEKQ VNQKKKQRKG KKYKKTKKVP KVKRSQRPSQ KKTT.

Application Note

The biological activity determined by a chemotaxis bioassay using human lymphocytes is 0.1-1.0 ng/ml.