

RMCH126

Recombinant CXCL10 (C-X-C motif chemokine 10), Human, AF



5ug;20ug;100ug;500ug;

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Synonym/Alternative name(s):

IP-10, Gamma-Interferon Inducible Protein 10, Crg-2

Activity:

Measure by its ability to chemoattract BaF3 cells transfected with human CXCR3.

The ED50 for this effect is <0.15 µg/mL.

Protein Description:

CXCL10 belongs to the CXC chemokine family, is also known as IP-10. CXCL10 was originally identified as a responder to IFN-gamma in monocytes, endothelial cells and fibroblasts. The effects of this chemokine can be induced by binding to the cell surface chemokine receptor CXCR3. Research shows that CXCL10 is a chemoattractant for activated T-lymphocytes, monocytes and macrophages. It also has other functions, such as promotion of T cell adhesion to endothelial cell.

Protein Accession : P02778.2

Gene ID : 3627

Expression Sequence:

VPLSRTVRCTCISISNQPVNPRSLEKLEIIPASQFCPRVEIIATMKKKGEKRLNPESKAIKNLLKAVSKERSKRSP with polyhistidine tag at the N-terminus.

Fusion tag : His-tag?at?the?N-terminus

Species : Human

Reactivity : Human

Expression Host : Escherichia coli

Source : E. coli

Purity/method:

>98% as determined by SDS-PAGE. Ni-NTA chromatography

Endotoxin level:

<0.1 EU per 1 µg of the protein by the LAL method.

Calculated Molecular Weight : 9.45 kDa

Formulation:

The protein was lyophilized from a solution containing 1X PBS, pH 7.4.

Reconstitution:

It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping : Blue Ice

Stability and Storage:

Lyophilized protein should be stored at -20°C for 1 year.

Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or

stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

Category : Cytokines

Application : Cell culture, Elisa

Image:



SDS- PAGE analysis of recombinant human CXCL10