

RMCH166

Recombinant CXCL11 (C-X-C motif chemokine 11), Human, AF



☐ 5ug;20ug;100ug;500ug;

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Synonym/Alternative name(s):

Interferon Inducible T-Cell α Chemokine, I-TAC, B-R1

Activity:

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

The ED50 for this effect is <4 ng/mL.

Protein Description:

CXCL11 has functional and structural relationship with CXCL9 and CXCL10. This CXC chemokine lacks a ELR (Glutamate-Leucine-Arginine) tripeptide motif.. Similar to CXCL9 and CXCL10, CXCL11 can specifically bind to the G protein-coupled receptor CXCR3 and involve in chemotaxis of immune cells and angiogenesis. Expression of both CXCR3 and CXCL11 by The Th1-associated cytokine IFN γ can express both CXCR3 and CXCL11 and create an amplification loop of cell-mediated immune response between Th1 cells.

Protein Accession : O14625

Gene ID : 6373

Expression Sequence:

FPMFKRGRCLCIGPGVKAVKVADIEKASIMYPSNNDKIEVIITLKENKGQRCLNPKSKQARLIKKVERKNF 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 μ g of the protein by the LAL method.

Calculated Molecular Weight : 9.11 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 μ g/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

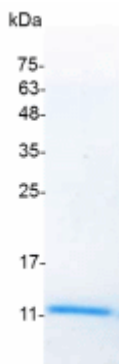
stabilizer (e.g. 0.1%

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 CXCL11