

RMCH054

Recombinant CXCL3 (C-X-C motif chemokine 3), Human , Ar

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

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Synonym/Alternative name(s) : GRO- γ : MGS α γ , MIP-2 β , GRO3**Activity:**

Measure by its ability to chemoattract BaF3 cells transfected with human CXCR2.

The ED50 for this effect is <2 ng/mL.

Protein Description:

CXCL3 is an ELR CXC chemokine. Its structural and functional characteristics are similar to GRO1 (CXCL1), GRO2 (CXCL2), and interleukin-8 (CXCL8). CXC chemokines are critical in the phase I inflammation, in which the PMN cells are rapidly chemoattracted. In the next phase of inflammation, the CC chemokines (MCPs) attract different cell subpopulations such as T cells, monocytes, basophils, and eosinophils. MMP12, primarily released by macrophages, can modulate the activity of ELR-CXC chemokines and cleavage human CXCL1, CXCL2 and CXCL3 within the ELR sequence at Glu6-Leu7.

Protein Accession : P19876**Gene ID** : 2921**Expression Sequence:**

ASVVTELRQCQLQTLQGIHLKNIQSVNVRSPGPHCAQTEVIATLKNKGKACLNPA SPMVQKII EKILNKGSTN 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** : 8.67 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 CXCL3