

RMCH167

Recombinant CXCL13 (C-X-C motif chemokine 13), Human, AF



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

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Synonym/Alternative name(s):

B-cell Attracting Chemokine-1, BLR1 Ligand, BCA-1/BLC

Activity:

Measure by its ability to chemoattract BaF3 cells transfected with human CXCR5.

The ED50 for this effect is <20 ng/mL.

Protein Description:

CXCL13, also known as BCA-1 (B Cell-Attracting chemokine 1) or BLC, is a recently identified new CXC chemokines. This chemokine is expressed in the stomach, spleen, liver, appendix and lymph nodes. CXCL13 can only elicit its activities through CXCR5receptor. BCA-1/BLC is a potent chemoattractant for B lymphocytes, and induces weak chemotactic response in T cells and macrophages. It should be noticed that CXCL13 shows no activity on neutrophils and monocytes.

Protein Accession : Q53X90

Gene ID : 10563

Expression Sequence:

VLEVYYTSLRCRCVQESSVFIPRRFIDRIQLPRGNGCPRKEIIVWKKNSIVCVDPQAEWIQRMMMEVLRKR 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 : 9.49 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 CXCL13