

Active Recombinant Human Chemokine (C-X-C motif) Ligand 13, IgG2a Fc-tagged

Cat. No. CXCL13-124H Lot. No. (See product label)

SPECIFICATION

Product Overview	The extracellular domain of human CXCL13 (AAH12589.1)(Val23-Arg94) is fused to the N-terminus of the Fc region of mouse IgG2a was expressed in CHO cell.
Species	Human
Source	CHO
ProteinLength	23-94 a.a.
Description	B lymphocyte chemoattractant, independently cloned and named Angie, is a CXC chemokine strongly expressed in the follicles of the spleen, lymph nodes, and Peyer's patches. It preferentially promotes the migration of B lymphocytes (compared to T cells and macrophages), apparently by stimulating calcium influx into, and chemotaxis of, cells expressing Burkitt's lymphoma receptor 1 (BLR-1). It may therefore function in the homing of B lymphocytes to follicles.
Form	Lyophilized from 0.2µm-filtered solution in PBS.
Bio-activity	Measured by its ability to chemoattract BaF3 mouse pro B cells.
Molecular Mass	35KDa (monomer)
AA Sequence	Val23-Arg94

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Endotoxin	<0.06 eu/μg="" as="" determined="" by="" la="" test="">
Purity	>98%, by SDS-PAGE under reducing conditions.
Stability	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
Reconstitution	Reconstitute at 100μg/ml in sterile PBS.
Warning	Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	CXCL13 chemokine (C-X-C motif) ligand 13 [Homo sapiens]
Official Symbol	CXCL13
Synonyms	CXCL13; chemokine (C-X-C motif) ligand 13; SCYB13, small inducible cytokine B subfamily (Cys X Cys motif), member 13 (B cell chemoattractant); C-X-C motif chemokine 13; ANGIE; ANGIE2; B cell chemoattractant; BCA 1; BLC; BLR1L; CXC chemokine BLC; B-cell chemoattractant; B-lymphocyte chemoattractant; b lymphocyte chemoattractant; small-inducible cytokine B13; B-cell-attracting chemokine 1; b cell-attracting chemokine 1; chemokine (C-X-C motif) ligand 13 (B-cell chemoattractant); B-cell-homing chemokine (ligand for Burkitts lymphoma receptor-1); small inducible cytokine B subfamily (Cys-X-Cys motif), member 13 (B-cell chemoattractant); BCA1; BCA-1; SCYB13;
Gene ID	10563
mRNA Refseq	NM_006419

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Protein Refseq	NP_006410
MIM	605149
UniProt ID	O43927
Chromosome Location	4q21
Pathway	CXCR3-mediated signaling events, organism-specific biosystem; Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem;
Function	CCR10 chemokine receptor binding; CXCR3 chemokine receptor binding; CXCR5 chemokine receptor binding; chemokine activity; fibroblast growth factor binding; heparin binding; protein heterodimerization activity; receptor agonist activity;

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