

Active Human CCL19

Cat. No. CCL19-110H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	It is a synthetic Protein
Species	Human
Description	<p>MIP-3b is related to other b chemokines, possessing 20-30% sequence identity with other b proteins. MIP-3b has been mapped to the 9p13 chromosome. This differs from other b proteins which are mapped to chromosome 17. MIP-3b is expressed in a variety of lymphoid tissues. and is down-regulated by the anti-inflammatory cytokine IL-10. Synthetic MIP-3b is chemotactic for cultured human lymphocytes and is a unique functional ligand for CCR-7. The CCR-7 receptor has been previously referred to as the Epstein-Barr virus-induced gene 1 (EBI1). CCR-7 is a chemokine receptor which is expressed in various lymphoid tissues and activated B and T lymphocytes. EBI1 is strongly up-regulated in B cells infected with Epstein-Barr virus and T cells infected with herpesvirus 6 or 7.</p>
Form	Lyophilized
Bio-activity	Activity measured by the protein's ability to chemoattract cultured human lymphocytes. ED50 for this activity is between 0.1 and 0.4 µg/ml
AA Sequence	GTNDAEDCCLSVTQKPIPGYIVRNFHYLLIKDGCRVPAVVFTTLRGRQLCAPPDQPW VERIIQRLQR TSAKMKR RSS
Applications	Activity Assay

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Storage	Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles
Reconstitution	Recommended reconstitution in sterile phosphate buffered saline which contains at least 0.1% human or bovine serum albumin to prepare a stocksolution of no less than 20 µg/ml and vortex thoroughly.
GENE INFORMATION	
Gene Name	CCL19 chemokine (C-C motif) ligand 19 [Homo sapiens]
Official Symbol	CCL19
Synonyms	CCL19; chemokine (C-C motif) ligand 19; SCYA19, small inducible cytokine subfamily A (Cys Cys), member 19; C-C motif chemokine 19; beta chemokine exodus 3; CC chemokine ligand 19; CK beta 11; CKb11; EBI1 ligand chemokine; ELC; exodus 3; macrophage inflammatory protein 3 beta; MIP 3b; exodus-3; CK beta-11; MIP-3-beta; EBI1-ligand chemokine; beta chemokine exodus-3; beta-chemokine exodus-3; small-inducible cytokine A19; macrophage inflammatory protein 3-beta; epstein-Barr virus-induced molecule 1 ligand chemokine; small inducible cytokine subfamily A (Cys-Cys), member 19; MIP3B; MIP-3b; SCYA19; MGC34433;
Gene ID	6363
mRNA Refseq	NM_006274
Protein Refseq	NP_006265
MIM	602227
UniProt ID	Q99731

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Chromosome Location	9p13
Pathway	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; G alpha (i) signalling events, organism-specific biosystem;
Function	CCR chemokine receptor binding; CCR10 chemokine receptor binding; CCR7 chemokine receptor binding; chemokine activity;

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