

Active Recombinant Human Chemokine (C-C motif) Ligand 19, HIgG1 Fc-tagged, mutant

Cat. No. CCL19-162H Lot. No. (See product label)

SPECIFICATION

Product Overview

The extracellular domain of human CCL19 (AAH27968.1)(Gly22-Ser98) is fused to the N-terminus of the Fc region of a mutant human IgG1 was expressed in CHO cell.

Species

Human

Source

CHO

ProteinLength

22-98 a.a.

Description

This gene is one of several CC cytokine genes clustered on the p-arm of chromosome 9. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene may play a role in normal lymphocyte recirculation and homing. It also plays an important role in trafficking of T cells in thymus, and in T cell and B cell migration to secondary lymphoid organs. It specifically binds to chemokine receptor CCR7.

Form

Lyophilized from 0.2µm-filtered solution in PBS.

Bio-activity

Measured by its ability to chemoattract 5-10 day cultured human peripheral blood lymphocytes (PBL).

Molecular Mass

35KDa (monomer)

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AA Sequence	Gly22-Ser98
Endotoxin	<0.06 eu/μg="" as="" determined="" by="" lal="" 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	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

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Protein Refseq	NP_006265
MIM	602227
UniProt ID	Q99731
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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