Active Recombinant Human CCL22, MIgG2a Fc-tagged

Cat. No. CCL22-1900H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of human CCL22 (AAH27952.1) (Gly25-Gln93) is fused to the N-terminus of the Fc region of mouse IgG2a was expressed in CHO celL
Species	Human
Source	CHO
ProteinLength	25-93 a.a.
Description	This gene is one of several Cys-Cys (CC) cytokine genes clustered on the q arm of chromosome 16. Cytokines are afamily of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines areproteins characterized by two adjacent cysteines. The cytokine encoded by this gene displays chemotactic activityfor monocytes, dendritic cells, natural killer cells and for chronically activated T lymphocytes. It alsodisplays a mild activity for primary activated T lymphocytes and has no chemoattractant activity for neutrophils,eosinophils and resting T lymphocytes. The product of this gene binds to chemokine receptor CCR4. This chemokinemay play a role in the trafficking of activated T lymphocytes to inflammatory sites and other aspects ofactivated T lymphocyte physiology.
Form	Lyophilized from 0.2μm-filtered solution in PBS.
Bio-activity	Measured by by a chemotaxis bioassay using human T-lymphocytes

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Molecular Mass	34 KDa (monomer)
AA Sequence	Gly25-Gln93
Endotoxin	<0.06 eu/μg="" as="" determined="" by="" lal="">
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	CCL22 chemokine (C-C motif) ligand 22 [Homo sapiens]
Official Symbol	CCL22
Synonyms	CCL22; chemokine (C-C motif) ligand 22; SCYA22, small inducible cytokine subfamily A (Cys Cys), member 22; C-C motif chemokine 22; A 152E5.1; ABCD 1; DC/B CK; MDC; MGC34554; STCP 1; MDC(1-69); CC chemokine STCP-1; macrophage-derived chemokine; small inducible cytokine A22; small-inducible cytokine A22; stimulated T cell chemotactic protein 1; stimulated T-cell chemotactic protein 1; small inducible cytokine subfamily A (Cys-Cys), member 22; ABCD-1; SCYA22; STCP-1; DC/B-CK; A-152E5.1;
Gene ID	6367

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mRNA Refseq	NM_002990
Protein Refseq	NP_002981
MIM	602957
UniProt ID	O00626
Chromosome Location	16q13
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; GPCR ligand binding, organism-specific biosystem;
Function	chemokine activity;

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