Active Recombinant Mouse Chemokine (C-C motif) Ligand 22, MIgG2a Fc-tagged, mutant

Cat. No. CCL22-3861M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of mouse CCL22 (NP_033163.1)(Gly25-Ser92) is fused to the N-terminus of the Fc portion of a mutant mouse IgG2a was expressed in CHO cell.
Species	Mouse
Source	CHO
ProteinLength	25-92 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.

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Bio-activity	Measured by a chemotaxis bioassay using human activated lymphocytes
Molecular Mass	34 KDa
AA Sequence	Gly25-Ser92
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	Ccl22 chemokine (C-C motif) ligand 22 [Mus musculus]
Official Symbol	CCL22
Synonyms	CCL22; chemokine (C-C motif) ligand 22; C-C motif chemokine 22; CC chemokine ABCD-1; small-inducible cytokine A22; activated B and dendritic cell-derived; small inducible cytokine subfamily A22; dendritic cell and B cell derived chemokine; small inducible cytokine subfamily A, member 22; SMALL INDUCIBLE CYTOKINE A22 PRECURSOR (CC CHEMOKINE ABCD-1) (ACTIVATED B AND DENDRITIC CELL-DERIVED); MDC; DCBCK; ABCD-1; Scya22;
Gene ID	20299

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mRNA Refseq	NM_009137
Protein Refseq	NP_033163
Pathway	Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem;
Function	chemokine activity; cytokine activity;

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