

Recombinant Human Chemokine (C-C motif) Ligand 24

Cat. No. CCL24-357H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant CCL24 is a disulfide-linked homodimeric protein consisting of 79 amino acid residuesubunits, and migrates as an approximately 9 kDa protein under non-reducing andreducing conditions in SDS-PAGE, and was lyophilized from 0.2µm filteredconcentrated (1.0mg/ml) solution in 100mM NaCl, 10mM PB, pH 7.0.

Species Human

Source Human

Description Eotaxin belongs tothe platelet factor-4 family of chemokines. The gene symbol is SCYA11. Thefactor is being referred to also as Eotaxin-1 and has been renamed CCL11.Eotaxin induces substantial accumulation of eosinophils in the skin withoutsignificantly affecting the accumulation of neutrophils. Eotaxin is a potentstimulator of both guinea pig and human eosinophils in vitro. The Eotaxinreceptor is a G-protein-coupled receptor selectively expressed in humaneosinophils.

Purity >97%, asdetermined by SDS-PAGE and HPLC.

Sequence MAGLMTIVTSLLLFLGVCAHH IIP TGSVVIP SPCCMFFVSK RIPENRVVSY
QLSSRSTCLK AGVIFTTKKG QQFCGDPKQEWVQRYMKNLD AKQKKASPRA
RAVAVKGPVQ RYPGNQTTC

Molecular Weight Native human CCL24has a calculated molecular mass of approximately 9 kDa.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Biological Activity	Activity was determined by the ability to induce chemotaxis of purified eosinophils at concentrations ranging between 50-100 ng/ml.
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/g (1EU/g).
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Storage	The lyophilized protein is stable for at least 2 years from date of receipt at -20° C. Upon reconstitution, this cytokine can be stored in working aliquots at 2° - 8° C for one month, or at -20° C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.
Official Symbol	CCL24
Pathways	Chemokine signaling pathway; Cytokine-cytokine receptor interaction

GENE INFORMATION

Gene Name	CCL24 chemokine (C-C motif) ligand 24 [Homo sapiens]
Synonyms	CCL24; chemokine (C-C motif) ligand 24; Ckb-6; MPIF2; MPIF-2; SCYA24; C-C motif chemokine 24; CK-beta-6; eotaxin-2; OTTHUMP00000210224; OTTHUMP00000210225; small-inducible cytokine A24; eosinophil chemotactic protein 2; myeloid progenitor inhibitory factor 2; small inducible cytokine subfamily A (Cys-Cys), member 24
Gene ID	6369
mRNA Refseq	NM_002991

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Protein Refseq	NP_002982
MIM	602495
UniProt ID	O00175
Chromosome Location	7q11.23
Function	chemokine activity

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