

Recombinant Mouse Ccl24 protein

Cat. No. Ccl24-475M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ccl24 protein was expressed in Escherichia coli.
Species	Mouse
Source	E.coli
ProteinLength	93
Description	CCL24, also named MPIF-2, Eotaxin-2 and Ckβ6, is a novel CC chemokine recently identified. It is a secreted protein, encoded by CCL24 gene, and produced by activated monocytes and T lymphocytes. CCL24 signals through the CCR3 receptor and has functions of chemotactic activity for resting T-lymphocytes and eosinophils, but none for monocytes and activated lymphocytes. The plasma levels of CCL24 and the aspirin-exacerbated respiratory disease (such as asthma) morbidity rate have positive correlation.
Form	Lyophilized from a 0.2µm filtered concentrated solution in 20 mM PB, pH 7.4, 150 mM NaCl.
Bio-activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using murine lymphocytes is in a concentration of 10-100 ng/ml.
Molecular Mass	Approximately 10.3 kDa, a single, non-glycosylated polypeptide chain containing 93 amino acids.

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AA Sequence	VTIPSSCCTSFISKKIPENRVVSYQLANGSICPKAGVIFITKKGHKICTDPKLLWVQRHI QKLDAKKNQPSKGAKAVRTKFAVQRRRGNSTEV
Endotoxin	Less than 1 EU/μg of rMuEotaxin-2/CCL24 as determined by LAL method.
Purity	>97% by SDS-PAGE and HPLC analysis.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	Ccl24
Official Symbol	Ccl24
Synonyms	CCL24; chemokine (C-C motif) ligand 24; C-C motif chemokine 24; eotaxin-2; CC chemokine CCL24; small inducible cytokine A24; small-inducible cytokine A24; eosinophil chemotactic protein 2; CKb-6; MPIF-2; Scya24;
Gene ID	56221
mRNA Refseq	NM_019577

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