Ccl11
Recombinant Mouse Eotaxin

Catalog No.	CRE123A	**Quantity:**	5 µg
	CRE123B		20 µg
	CRE123C		1.0 mg

Alternate Names: Scya11, eotaxin, small chemokine (C-C motif) ligand 11, small inducible cytokine A11

Description: Eotaxin also called CCL11 is a CC chemokine that signals through the CCR3 receptor. It is produced by IFN-gamma stimulated endothelial cells and TNF-activated monocytes. Eotaxin selectively chemoattracts eosinophils and along Eotaxin-2 and Eotaxin-3, plays a key role in the regulation of eosinophil recruitment in the asthmatic lung, and in allergic reactions.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Gene ID: 20292

Source: *E. coli*

Molecular Weight: 8.4 kDa

Formulation: Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.

Purity: >95% by SDS-PAGE and HPLC analyses.

Endotoxin Level: Less than 1EU/µg of rMuEotaxin/CCL11 as determined by LAL method.

Biological Activity: Fully biologically active when compared to standard. The ED_{50} determined by a chemotaxis bioassay using murine CCR3 transfected BaF3 mouse proB cells is less than 5 ng/ml.

Specific Activity: ≥ 2.0×10^5 IU/mg.

Amino Acid Sequence: HPGSIPTSCC FIMTSKKIPN TLLKSYKRIT NNRCTLKAIV FKTRLGKEIC ADPKKKWVQD ATKHLDQKLQ TPKP

Reconstitution: **Centrifuge vial prior to opening**. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. It is recommended that further dilutions be made into buffer containing carrier protein or medium containing serum. **Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed.**

Storage & Stability: This lyophilized preparation is stable at 2-4°C, but should be kept desiccated at -20°C for long term storage. Upon reconstitution, the preparation is stable for up to one week at 2 -4°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. **Avoid repeated freeze/thaw cycles.**

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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