RecombinantMouse Eotaxin-2/CCL24

Catalog No.	CRE004A	**Quantity:**	5 µg
	CRE004B		20 µg
	CRE004C		1.0 mg

Description: Eotaxin, also named MPIF-2 and Ckβ6, is a novel CC chemokine recently identified. It is produced by activated monocytes and T lymphocytes. Eotaxin-2 selectively chemoattracts cells expressing CCR3 including eosinophils, basophils, Th2 T cells, mast cells, and certain subsets of dendritic cells. Additionally, Eotaxin-2 inhibits the proliferation of multipotential hematopoietic progenitor cells. Mouse Eotaxin-2 cDNA encodes a 119 amino acid (a.a.) residue precursor protein that shares approximately 58% a.a. sequence identity with human Eotaxin-2. Functionally, Eotaxin-2 is most closely related to Eotaxin/CCL11 and Eotaxin-3/CCL26.

Source: *E. coli*

Molecular Weight: 10.3 kDa

Formulation: Lyophilized from a 0.2µm filtered concentrated solution in 20 mM PB, pH 7.4 +150 mM NaCl.

Purity: >97% by SDS-PAGE and HPLC analyses.

Endotoxin Level: Less than 1EU/µg of rMuEotaxin-2/CCL24 as determined by LAL method.

Biological Activity: Fully biologically active when compared to standard. The ED_{50} determined by a chemotaxis bioassay using mouse lymphocytes is less than 100 ng/ml, corresponding to a specific activity of > 1.0×10^4 IU/mg.

Amino Acid Sequence: VTIPSSCCTS FISKKIPENR VVSYQLANGS ICPKAGVIFI TKKGHKICTD PKLLWVQRHI QKLDAKKNQP SKGAKAVRTK FAVQRRRGNS TEV

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/ml. Further dilutions should be made in appropriate buffered solutions.

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.**

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