



## User Manual

**Eotaxin-2/CCL24 (Eotaxin-2/CCL24) (Murine)**

**Cat. No. MECCP-24011**



**Description:**

Eotaxin, also named MPIF-2 and Ck $\beta$ 6, 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:**

*Escherichia coli*

**Unit:**

5  $\mu$ g

**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  $< -20^{\circ}\text{C}$ . Further dilutions should be made in appropriate buffered solutions.

**Formulation:**

Lyophilized from a 0.2  $\mu$ m filtered concentrated solution in 20 mM PB, pH 7.4, 150 mM NaCl.

**Storage:**

This lyophilized preparation is stable at 2-8 $^{\circ}\text{C}$ , but should be kept at -20 $^{\circ}\text{C}$  for long term

storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

### **Molecular Weight:**

Approximately 10.3 kDa, a single, non-glycosylated polypeptide chain containing 93 amino acids.

### **Endotoxin:**

Less than 1 EU/μg of Eotaxin-2/CCL24 as determined by LAL method.

### **Usage:**

This material is offered by Cyagen Biosciences for research, laboratory or further evaluation purposes. FOR RESEARCH USE ONLY. NOT INTENDED FOR ANY ANIMAL OR HUMAN THERAP EUTIC OR DIAGNOSTIC USE.

### **Biological Activity:**

The biologically active determined by a chemotaxis bioassay using murine lymphocytes is in a concentration of 10-100 ng/mL.

### **Physical Appearance:**

Sterile filtered white lyophilized (freeze-dried) powder.

### **AA Sequence:**

VTIPSSCCTS FISKKIPENR VVSYQLANGS ICPKAGVIFI TKGHKICTD PKLLWVQRHI  
QKLDKKNQP SKGAKAVRTK FAVQRRRGNS TEV

**Purity:**

> 97% by SDS-PAGE and HPLC analyses.

Material Safety Data Sheets (MSDSs) are available upon request.

The Certificate of Analysis (COA), which provides detailed quality control information for each product, is also available at the Cyagen website.

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