

## Eotaxin-2 Murine E. coli

### Product Data Sheet

<b>Type:</b> Recombinant	<b>Cat. No.:</b>	
<b>Source:</b> E. coli	RBG20065005	(5 µg)
<b>Species:</b> Murine	RBG20065020	(20 µg)
<b>Other names:</b> CCL24	RBG20065100	(100 µg)

### Description

Eotaxin-2 is a CC chemokine that signals through the CCR3 receptor. 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. The mature protein, which also includes a C-terminal truncation, contains 78 amino acid residues (92 a.a. residues for the murine homolog, without C-terminal truncation). Eotaxin-2 contains the four conserved cysteine residues present in CC chemokines. Recombinant Murine Eotaxin-2 is a 10.3 kDa protein containing 93 amino acid residues.

### Amino Acid Sequence

VTIPSSCCTS FISKKIPENR VVSYQLANGS ICPKAGVIFI TKKGHKICTD PKLLWVQRHI QKLDAKKNQP SKGAKAVRTK  
FAVQRRRGNS TEV

### Source

E. coli

### Purity

98%

### Biological Activity

Determined by its ability to chemoattract murine lymphocytes using a concentration range of 10-100 ng/ml.

### Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

### Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

### Storage, Stability/Shelf Life

-20°C

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