

## Recombinant Murine Eotaxin-2/CCL24

### Information

<b>Gene ID</b>	56221
<b>Accession #</b>	Q9JKC0
<b>Alternate Names</b>	CK-beta-6, MPIF-2, Small-inducible Cytokine A24
<b>Source</b>	Escherichia coli.
<b>M.Wt</b>	Approximately 10.3 kDa, a single, non-glycosylated polypeptide chain containing 93 amino acids.
<b>AA Sequence</b>	VTIPSSCCTS FISKKIPENR VVSYQLANGS ICPKAGVIFI TKKGHKICTD PKLLWVQRHI QKLDAKKNQP SKGAKAVRTK FAVQRRRGNS TEV
<b>Appearance</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Stability &amp; Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles - 12 months from date of receipt, -20 to -70 °C as supplied - 1 month, 2 to 8 °C under sterile conditions after reconstitution - 3 months, -20 to -70 °C under sterile conditions after reconstitution
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 150 mM NaCl.
<b>Reconstitution</b>	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 °C. Further dilutions should be made in appropriate buffered solutions.
<b>Biological Activity</b>	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.
<b>Shipping Condition</b>	Gel pack.
<b>Handling</b>	Centrifuge the vial prior to opening.
<b>Usage</b>	For Research Use Only! Not to be used in humans.

### Components and Storage

Components	5µg	100µg	500µg
Recombinant Murine Eotaxin-2/CCL24	5µg	100µg	500µg

Use a manual defrost freezer and avoid repeated freeze-thaw cycles

- 12 months from date of receipt, -20 to -70 °C as supplied
- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 3 months, -20 to -70 °C under sterile conditions after reconstitution

## Quality Control

Purity	> 97 % by SDS-PAGE and HPLC analyses.
Endotoxin	Less than 1 EU/μg of rMuEotaxin-2/CCL24 as determined by LAL method.

## Description

CCL24, also named MPIF-2, Eotaxin-2 and Ck β 6, 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.

## Reference

1. Owczarek W, Paplinska M, Targowski T, et al. 2010. Cytokine, 50: 181-5
2. Ben-Yehuda C, Bader R, Puxeddu I, et al. 2008. Exp Lung Res, 34: 467-79
3. Schaefer D, Meyer JE, Pods R, et al. 2006. Int Arch Allergy Immunol, 140: 205-14.

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**[www.apexbt.com](http://www.apexbt.com)**

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: [info@apexbt.com](mailto:info@apexbt.com)