

Recombinant Rat Eotaxin-2/CCL24

Information

Gene ID	
Accession #	
Alternate Names	CK-beta-6, MPIF-2, Small-inducible Cytokine A24
Source	Escherichia coli.
M.Wt	Approximately 10.5 kDa, a single non-glycosylated polypeptide chain consisting of an N-terminal Methionine and the mature rat Eotaxin-2.
AA Sequence	MPTGSVTIPS SCCVTFISKK IPVNRVISYQ LANGSICPKA GVIFITKKGH KICTDPKLPW VQKHIKNLDA KRNQPSEGA ALGPKFVIQK LRGNSTKV
Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Stability & Storage	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
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 2 × PBS, pH 7.4.
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 °C. Further dilutions should be made in appropriate buffered solutions.
Biological Activity	Fully biologically active when compared to standard. The biologically active determined by a chemotaxis bioassay using human peripheral blood eosinophils is in a concentration of 50-250 ng/ml.
Shipping Condition	Gel pack.
Handling	Centrifuge the vial prior to opening.
Usage	For Research Use Only! Not to be used in humans.

Components and Storage

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

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- 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	> 96 % by SDS-PAGE and HPLC analyses.
Endotoxin	Less than 1 EU/μg of rRtEotaxin-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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