

Recombinant Rat Eotaxin-2/CCL24

#R00463

Size: 5 µg/100 µg/500 µg

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.



Warning: This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

Background

CCL24, also named MPIF-2, Eotaxin-2 and Ckβ6, 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.

AA Sequence

MPTGSVTIPSSCCVTFISKIPVNRVISYQLANGSICPK
AGVIFITKKGHKICTDPKLPWVQKHINKLDAKRNQPS
GAKALGPKFVIQKLRGNSTKV

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.

Product Specification

Synonyms	CK-beta-6, MPIF-2, Small-inducible Cytokine A24
Species	Rat
Source	Escherichia coli.
Molecular Weight	Approximately 10.5 kDa, a single non-glycosylated polypeptide chain consisting of an N-terminal Methionine and the mature rat Eotaxin-2.
Purity	> 96 % by SDS-PAGE and HPLC analyses.
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.

Physical	Sterile Filtered White lyophilized
Appearance	(freeze-dried) powder.
Formulation	Lyophilized from a 0.2 μm filtered concentrated solution in 2 × PBS, pH 7.4.
Endotoxin	Less than 1 EU/μg of rRtEotaxin-2/CCL24 as determined by LAL method.