

Recombinant Rat Eotaxin/CCL11

#R00460

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

CCL11 encoded by the gene CCL11 is belonging to the CC chemokine family. It is a potent eosinophil chemoattractant that was originally purified from bronchoalveolar lavage fluid of guinea pigs sensitized by aerosol challenge with ovalbumin. CCL11 is a strong and specific eosinophil chemoattractant in vitro. It can directly chemotactic for eosinophils, but not for monocytes or neutrophils. CCR3 has been identified to be a specific CCL11 receptor. CCR3 has also been shown to serve as a cofactor for a restricted subset of primary HIV viruses and binding of CCL11 to CCR3 inhibited infection by the HIV isolates.

AA Sequence

HPGSIPTSCCFTMTSKKIPNTLLKSYKRITNNRCTLKAI
VFKTKLGKEICADPKKKWVQDATKHLDQKLQTPKP

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	Small-inducible Cytokine A11
Accession	P97545
GeneID	29397
Species	Rat
Source	Escherichia coli.
Molecular Weight	Approximately 8.4 kDa, a single non-glycosylated polypeptide chain containing 74 amino acids.
Purity	> 96 % by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using purified eosinophils is in a concentration range of 0.1-1.0 µg/ml.
Physical	Sterile Filtered White Lyophilized

Appearance	(freeze-dried) powder.
Formulation	Lyophilized from a 0.2 μm filtered concentrated solution in 20 mM PB, pH 7.4, 150 mM NaCl.
Endotoxin	Less than 1 EU/μg of rRtEotaxin/CCL11 as determined by LAL method.