Recombinant Human Eotaxin/CCL11 (rHuEotaxin/CCL11)

ChemWhat Technical Data Sheet (TDS)

Catalog Number:	204-11
Source:	*Escherichia coli.*
Molecular Weight:	Approximately 8.4 kDa, a single non-glycosylated polypeptide chain containing 74 amino acids.
Quantity:	5μg /20μg /1000μg
AA Sequence:	GPASVPTTCC FNLANRKIPL QRLESYRRIT SGKCPQKAVI FKTKLAKDICADPKKKWVQD SMKYLDQKSP TPKP
Purity:	> 97 % by SDS-PAGE and HPLC analyses.
Biological Activity:	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral blood eosinophils is in a concentration range of 0.1-10.0 ng/ml.
Physical Appearance:	Sterile Filtered White lyophilized (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 rHuEotaxin/CCL11 as determined by LAL method.
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.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
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.
Usage:	**ChemWhat Limited in UK offers this branded product for research, development or further** evaluation purposes. **NOT FOR HUMAN USE**.

Human Eotaxin/CCL11

Human CCL11 is belonging to the CC chemokine family. It is encoded by the gene CCL11. CCL11 was first purified from bronchoalveolar lavage fluid of guinea pigs. It was a strong and specific eosinophil chemoattractant in vitro. It can directly chemotactic for eosinophils, but not for monocytes or neutrophils. Human CCL11 is approximately 63 % identical at the amino acid level to murine CCL11. In addition, CCL11 also shows about 60 % amino acid sequence identity to human MCPs. CCR3 has been identified to be a specific CCL11 receptor.

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