

ChemWhat Technical Data Sheet (TDS)

Catalog Number:	244-11
Source:	<i>Escherichia coli</i> .
Molecular Weight:	Approximately 8.4 kDa, a single non-glycosylated polypeptide chain containing 74 amino acids.
Quantity:	5µg /20µg /1000µg
AA Sequence:	HPGSIPTSCC FTMTSKKIPN TLLKSYKRIT NNRCTLKAIV FKTKLGKEIC ADPKKKVVQD ATKHLDDQKLQ TPKP
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 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 rRtEotaxin/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. <ul style="list-style-type: none">● 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.

Rat Eotaxin/CCL11

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.