Technical Data Sheet

Flogen® Recombinant Human Eotaxin-2/CCL24

(rHuEotaxin-2/CCL24)

Catalog Number:	PGR0204-024
Source:	*Escherichia coli.*
Molecular Weight:	Approximately 8.8 kDa, a single non-glycosylated polypeptide chain containing 78 amino acids.
Quantity:	5µg/20µg/1mg
AA Sequence:	VVIPSPCCMF FVSKRIPENR VVSYQLSSRS TCLKGGVIFT TKKGQQFCGD PKQEWVQRYM KNLDAKQKKA SPRARAVA
Purity:	>97% by SDS-PAGE and HPLC analyses.
Biological Activity:	Fully biologically active when compared to standard. The ED_{50} determined by a chemotaxis bioassay using human peripheral blood eosinophils is less than 100 ng/ml, corresponding to a specific activity of $> 1.0 \times 10^4$ IU/mg.
Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, pH 7.4, 150mM NaCl.
Endotoxin:	Less than 1EU/µg of rHuEotaxin-2/CCL24 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.
Storage:	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. **Avoid repeated freeze/thaw cycles**.
Usage:	For research, laboratory or further evaluation purposes. **NOT FOR HUMAN USE**.

Human Eotaxin-2/CCL24

Eotaxin-2/CCL24, also named MPIF-2 and Ckβ6, is a novel CC chemokine recently identified. It is produced by activated monocytes and T lymphocytes. Eotaxin-2 selectively chemoattracts cells expressing CCR3 including eosinophils, basophils, Th2 T cells, mast cells, and certain subsets of dendritic cells. Additionally, Eotaxin-2 inhibits the proliferation of multipotential hematopoietic progenitor cells. The mature protein, which also includes a C-terminal truncation, contains 78 amino acid residues (92 a.a. residues for the murine homolog, without C-terminal truncation).