Rev03
Update: Dec,14,2021

DATASHEET

Eotaxin-2/CCL24, Human

Cat. No.: Z02846

Product Introduction

Species	Human
Protein Construction	CCL24 (Val27-Ala104) Accession # O00175
Purity	> 97% as analyzed by SDS-PAGE > 97% as analyzed by HPLC
Endotoxin Level	< 1 EU/μg of protein by LAL method
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 of 50.0-100.0 ng/ml.
Expression System	E. coli
Theoretical Molecular Weight	8.8 kDa
Formulation	Lyophilized from a 0.2 μm filtered solution in 20 mM PB, pH 7.4, 150 mM NaCl.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.

Background

Target Background : 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 mouse homolog, without C-terminal truncation).

Synonyms : C-C motif chemokine 24; CK-beta-6; Eosinophil chemotactic protein 2; Myeloid progenitor inhibitory factor 2; MPIF-2; Small-inducible cytokine A24; MPIF2; SCYA24

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

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