

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant Mouse Eotaxin-2/CCL24 (rMuEotaxin-2/CCL24)

Catalog Number: PR2002

Source: Escherichia coli.

Quantity: 5µg/20µg/1.0mg

Description

Eotaxin, 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. Mouse Eotaxin-2 cDNA encodes a 119 amino acid (aa) residue precursor protein that shares approximately 58% aa sequence identity with human Eotaxin-2. Functionally, Eotaxin-2 is most closely related to Eotaxin/CCL11 and Eotaxin-3/CCL26.

Molecular Weight:

10.3 kDa, a single, non-glycosylated polypeptide chain containing 93 amino acids.

Purity:

>97% by SDS-PAGE and HPLC analyses.

Biological Activity:

Fully biologically active when compared to standard. Determined by its ability to chemoattract murine lymphocytes using a concentration range of 10.0 -100.0 ng/ml, corresponding to a Specific Activity of $\geq 1 \times 10^4$ IU/mg.

Physical 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.

AA Sequence:

V T I P S S C C T S F I S K K I P E N R V V S Y Q L A N
G S I C P K A G V I F I T K K G H K I C T D P K L L W V
Q R H I Q K L D A K K N Q P S K G A K A V R T K F A
V Q R R R G N S T E V

Endotoxin:

Less than 1EU/µg of rMuEotaxin-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 $< -20^{\circ}\text{C}$. Further dilutions should be made in appropriate buffered solutions.

Storage:

This lyophilized preparation is stable for several weeks at $2-8^{\circ}\text{C}$, 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 $2-8^{\circ}\text{C}$. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C . Avoid repeated freeze/thaw cycles.

Usage:

This material is offered by USA Bioworld biotech for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE. Made in China

MADE IN CHINA

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