

Recombinant Rat Eotaxin-2/CCL24 (Rat Eotaxin-2/CCL24)

Product Information

Product Name	Cat#	Size
	91004ES08	5 µg
Recombinant Rat Eotaxin-2/CCL24 (Rat Eotaxin-2/CCL24)	91004ES60	100 µg
	91004ES76	500 µg

Product Description

Eotaxin-2, also named myeloid progenitor inhibitory factor (MPIF-2), is a member of the CC chemokine subfamily and is designated CCL24. Eotaxin-2 is constitutively expressed in the jejunum and spleen. It can also be induced in the lung by allergen challenge and IL-4. LPS and IL-4 also differentially regulate the expression of Eotaxin-2 in monocytes and macrophages. Functionally, Eotaxin-2 is most closely related to CCL11/Eotaxin and CCL26/Eotaxin-3. The three proteins share low sequence homology but have been shown to be potent eosinophil chemoattractants that bind and activate the chemokine receptor CCR3, a receptor that is highly expressed in eosinophils. Eotaxin-2 also has the ability to suppress myeloid cell proliferation, a biological function not shared by Eotaxin.

Product Properties

Synonyms	CK-beta-6, MPIF-2, Small-inducible Cytokine A24
Accession	Q5PPP2
GeneID	288593
Source	E.coli-derived Rat Eotaxin-2/CCL24, Pro23-Val119, with an N-terminal Met.
Molecular Weight	Approximately 10.5 kDa.
AA Sequence	MPTGSVTIPS SCCVTFISKK IPVNRVISYQ LANGSICPKA GVIFITKKGH KICTDPKLPW VQKHIKNLDA KRNQPSEGA ALGPKFVIQK LRGNSTKV
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 96% by SDS-PAGE and HPLC analyses.
Biological Activity	The biologically active determined by a chemotaxis bioassay using human peripheral blood eosinophils is in a concentration of 50-250 ng/mL. Fully biologically active when compared to standard.
Endotoxin	< 1.0 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 2 × PBS, pH7.4.
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 and Storage

The products are shipped with ice pack and can be stored at -20°C to -80°C for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only!