

HB220505

Recombinant Human Macrophage Inflammatory Protein-4/CCL18 (Human MIP-4/CCL18)

Product Information

Product Name	Cat#	Size
Recombinant Human Macrophage Inflammatory Protein-4/CCL18 (Human MIP-4/CCL18)	90964ES10	10 µg
	90964ES60	100 µg
	90964ES76	500 µg

Product Description

Human CCL18 is encoded by the CCL18 gene located on the chromosome 17. As also named MIP-4, it shares 61 % sequence identity to human MIP-1 α . CCL18 is mainly expressed by lung and some lymphoid tissues like lymph nodes express CCL18 at low level. It is chemotactic for both activated (CD3+) T cells and nonactivated (CD14-) lymphocytes, but not for monocytes or granulocytes. Involved in B-cell migration into B-cell follicles in lymph nodes. CCL18 plays a role in both humoral and cell-mediated immunity responses.

Product Properties

Synonyms	AMAC-1; AMAC1; CCL18; CKb7; DC-CK1; DCCK1; MIP-4; MIP4; PARC ; SCYA18
Accession	P55774
GeneID	6362
Source	E.coli-derived human Macrophage Inflammatory Protein-4, Ala21-Ala89
Molecular Weight	Approximately 7.9 kDa.
AA Sequence	AQVGTNKELC CLVYTSWQIP QKFIVDYSET SPQCPKPGVI LLTKRGRQIC ADPNKKWVQK YISDLKLNA
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 97 % by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human T-lymphocytes is in a concentration of 1.0-10 ng/ml.
Endotoxin	<1.0 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 100 mM NaCl. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
Reconstitution	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.