

HB220505

Recombinant Human Macrophage-Derived Chemokine/CCL22 (Human MDC/CCL22)

Product Information

Product Name	Cat#	Size
Recombinant Human Macrophage-Derived Chemokine/CCL22 (Human MDC/CCL22)	90967ES08	5 µg
	90967ES60	100 µg
	90967ES76	500 µg

Product Description

CCL22 is a protein that in humans is encoded by the CCL22 gene, which locates on the Chr. 16. The protein is highly expressed in macrophage, monocyte-derived dendritic cell and thymus, additionally, also detected in the tissues of thymus, lymph node and appendix. CCL22 can bind to CCR4, and is a chemoattractant for monocytes, monocyte-derived dendritic cells, and natural killer cells, but not for neutrophils, eosinophils, and resting T-lymphocytes. After secreted from monocyte-derived dendritic cells, the protein can be proteolytic cleaved into three forms: MDC (3-69), MDC (5-69), MDC (7-69).

Product Properties

Synonyms	A-152E5.1n ABCD-1; DC/B-CK; MDC ; SCYA22 ; STCP-1
Accession	O00626
GeneID	6367
Source	E.coli-derived human Macrophage-Derived Chemokine Protein, Gly25-Gln93
Molecular Weight	Approximately 8.1 kDa.
AA Sequence	GPYGANMEDS VCCRDYVRYR LPLRVVKHFY WTSDSCPRPG VVLLTFRDKE ICADPRVPWV KMILNKLSQ
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 range of 10-100 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, pH7.4, 500 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.