

Recombinant Rat Macrophage-Derived Chemokine/CCL22

(Rat MDC/CCL22)

Product Information

Product Name	Cat#	Size
	91003ES08	5 µg
Recombinant Rat Macrophage-Derived Chemokine/CCL22 (Rat MDC/CCL22)	91003ES60	100 µg
	91003ES76	500 µg

Product Description

CCL22, also known as ABCD-1 and MDC (macrophage-derived chemokine), is a CC chemokine. It 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). CCL22 is a functional ligand for the CC chemokine receptor 4.

Product Properties

Synonyms	STCP-1, MDC (1-69), Macrophage-derived Chemokine
Accession	Q5I0L5
GeneID	117551
Source	E.coli-derived Rat MDC/CCL22, Gly25-Ala92.
Molecular Weight	Approximately 7.9 kDa.
AA Sequence	GPYGANVEDS ICCQDYIRHP LPPRFVKEFY WTSKSCRKPG VVLITIKNRD ICADPRMLWV KKILHKLA
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 T-lymphocytes is in a concentration range of 10-100 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!