

Recombinant Murine Macrophage-Derived Chemokine/CCL22

#R00437

Size: 5 µg/100 µg/500 µg

Stability & Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- A minimum of 12 months from date of receipt, when stored at ≤ -20 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 3 months, -20 to -70 °C under sterile conditions after reconstitution.



Warning: This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

Background

CCL22 is a protein that in mouse is encoded by the CCL22 gene, which locates on the Chr. 8. 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).

AA Sequence

GPYGANVEDSICCQDYIRHPLPSRLVKEFFWTSKSCR
KPGVVLITVKNRDICADPRQVWVKLLHKLS

Reconstitution

Prior to opening, it is recommended to centrifuge the

vial briefly to bring the contents down the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. If animal-origin-free condition is expected in your product, then sterile distilled water is recommended. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

Product Specification

Synonyms	STCP-1, MDC (1-69), Macrophage-derived Chemokine
Accession	O88430
GeneID	20299
Species	Murine
Source	Escherichia coli.
Molecular Weight	Approximately 7.8 kDa, a single, non-glycosylated polypeptide chain containing 68 amino acids.
Purity	> 97% by SDS-PAGE analyses.
Biological Activity	Testing in progress.
Physical Appearance	Sterile Filtered White Lyophilized (freeze-dried) powder.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 2×PBS, 5% Trehalose, 0.02% Tween-20, pH 7.0.

Endotoxin	Less than 1 EU/μg of rMuMDC/CCL22 as determined by LAL method.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
