

Recombinant Murine Macrophage Inflammatory Protein-3 beta/CCL19

#R00434

Size: 5 µg/100 µg/500 µg

Stability & Storage

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

- 12 months from date of receipt, -20 to -70 °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

CCL19, also known as EBI1 Ligands chemokine (ELC) and macrophage inflammatory protein-3-beta, is encoded by the CCL19 gene which is located on chromosome 4 in mouse. The protein is expressed at high levels in thymus and lymph nodes, with intermediate levels in trachea and colon and low levels in stomach, lung and some other organs. CCL19 is signal through CCR7 and chemotaxis of T and B lymphocytes and myeloid progenitor cells.

AA Sequence

GANDAEDCCLSVTQRPIPGNIVKAFRYLLNEDGCRVP
AVVFTTLRGYQLCAPPDQPWVDRIIRRLKKSSAKNKG
NSTRRSPVS

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.

Product Specification

Synonyms	Beta-chemokine Dxodus-3, CK beta-11, EBI1 Ligand Dhemokine, ELCMacrophage Inflammatory Protein 3 beta
Accession	O70460
GeneID	24047
Species	Murine
Source	Escherichia coli.
Molecular Weight	Approximately 9.2 kDa, a single non-glycosylated polypeptide chain containing 83 amino acids.
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 mature dendritic cells is

in a concentration range of
10-100 ng/ml.

Physical	Sterile Filtered White lyophilized
Appearance	(freeze-dried) powder.
Formulation	Lyophilized from a 0.2 μ m filtered concentrated solution in PBS, pH 7.4.
Endotoxin	Less than 1 EU/ μ g of rMuMIP-3 β /CCL19 as determined by LAL method.
