



Technical Data Sheet

Recombinant Murine Macrophage Inflammatory Protein-3 beta/CCL19 (rMu MIP-3b/CCL19)

Murine Macrophage Inflammatory Protein-3 beta/ CCL19

Macrophage Inflammatory Protein-3 beta also called CCL19, ELC (EBI1 Ligand Chemokine), Exodus-3 is a reported β chemokine that binds specifically to the chemokine receptor CCR7 / EBI1 / BLR2. It is expressed in the thymus, lymph nodes and in activated bone marrow stromal cells. MIP-3 beta is a chemoattractant for T and B lymphocytes and myeloid progenitor cells.

Catalog Number:	RC335-20
Source:	<i>Escherichia coli</i> .
Molecular Weight:	Approximately 9.2 kDa, a single non-glycosylated polypeptide chain containing 83 amino acids.
Quantity:	5 μ g/20 μ g/1000 μ g
Sequence:	GANDAEDCCL SVTQRPIPGN IVKAFRYLLN EDGCRVPAVV FTTLRGYQLC APPDQPWVDR IIRRLKKSSA KNKGNSTRRS PVS
Purity:	>95% by SDS-PAGE and HPLC analyses.
Biological Activity:	Fully biologically active when compared to standard. The ED ₅₀ determined by a chemotaxis bioassay using human peripheral blood lymphocytes is less than 100 ng/ml, corresponding to a specific activity of $> 1.0 \times 10^4$ IU/mg.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2 μ m filtered concentrated solution in PBS, pH 7.4.
Endotoxin:	Less than 1EU/ μ g of rMuMIP-3b/CCL19 as determined by LAL method.
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 $<-20^{\circ}\text{C}$. Further dilutions should be made in appropriate buffered solutions.
Storage:	This lyophilized preparation is stable at 2-8 $^{\circ}\text{C}$, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 $^{\circ}\text{C}$. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C . Avoid repeated freeze/thaw cycles.



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