

**Recombinant Murine Macrophage Inflammatory
Protein-3 beta/CCL19
(rMuMIP-3 β /CCL19)
ChemWhat Technical Data Sheet (TDS)**

Catalog Number:	224-19
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
AA Sequence:	GANDAEDCCL SVTQRPIPGN IVKAFRYLLN EDGCRVPAVV FTTLRGYQLC APPDQPWVDR IIRRLKKSSA KNKGNSTRRS PVS
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 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 1 EU/ μ g of rMuMIP-3 β /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 \leq -20 $^{\circ}$ C. Further dilutions should be made in appropriate buffered solutions.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">● 12 months from date of receipt, -20 to -70 $^{\circ}$C as supplied.● 1 month, 2 to 8 $^{\circ}$C under sterile conditions after reconstitution.● 3 months, -20 to -70 $^{\circ}$C under sterile conditions after reconstitution.
Usage:	ChemWhat Limited in UK offers this branded product for research, development or further evaluation purposes. NOT FOR HUMAN USE.

Murine Macrophage Inflammatory Protein-3 beta/CCL19

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.