

## PRODUCT INFORMATION SUMMARY

### Rat MIP-1-Beta

Purified Factor	Product Number	RC333132B	20.0 ug
	Product Number	RC333132A	5.0 ug

#### DESCRIPTION:

Rat Macrophage Inflammatory Protein-1 Beta (MIP-1 Beta), a chemokine involved in the inflammatory response of blood monocytes and tissue macrophages. MIP-1 alpha and MIP-1 beta are related cytokines, with the alpha form selectively chemoattracting CD8+ lymphocytes, and the beta form CD4+ lymphocytes. Rat MIP-1 beta has molecular weight of 7.8.0 kDa, with 69 aa. residues.

**SOURCE:** E. Coli  
Purity > 98% by HPLC analysis  
Endotoxin < 0.1 ng per ug Rat MIP-1 Beta

#### BIOLOGICAL ACTIVITY:

**Fully biologically active when compared to standards.**  
Produces chemotaxis using Human monocytes over a wide concentration range from 0.01 - 1.0 ug/mL

#### HANDLING AND STORAGE:

Purified Rat MIP-1 Beta factor is provided lyophilized. Store lyophilized, at -20° C. Upon reconstitution with distilled (or sterile) water to a concentration of 100 ug/mL, further dilute in PBS or other buffered solutions. Store small aliquots at -20° C, with addition of 0.1% BSA for long-term storage - up to 3 months, at high concentration.

**Before opening vial to reconstitute,** it is recommended to microcentrifuge vial for 30 seconds - this will help recovery of full contents that may have adhered to surfaces of vial during lyophilization.

#### WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

**RESEARCH USE ONLY -NOT for DRUG USE**