

## Product Datasheet

### Rat MIP-1 beta protein (orb107785)

<b>Description</b>	Recombinant Rat Macrophage Inflammatory Protein-1 beta/CCL4. Chemokine (C-C motif) ligand 4 encoded by the CCL4 gene, also known as macrophage inflammatory protein-1beta (MIP-1beta) is a CC chemokine with specificity for CCR5 receptors and it is a major HIV-suppressive factor produced by CD8+ T cells. In addition, it is a chemoattractant for natural killer cells, monocytes and a variety of other immune cells. Recombinant CCL4 induces a dose-dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV). Furthermore, recombinant rat CCL4 contains 69 amino acids and it shares 80 % and 86 % a.a. sequence identity with human and murine CCL4. Both human and murine MIP-1alpha and MIP-1beta are active on human and murine hematopoietic cells.
<b>Conjugation</b>	Unconjugated
<b>Tested Applications</b>	HPLC, SDS-PAGE
<b>Target</b>	MIP-1 beta
<b>Preservatives</b>	Lyophilized from a 0.2 µm filtered concentrated solution in 2xPBS, pH 7.4, 3% trehalose
<b>Storage</b>	Store at 4°C for up to two weeks. For long term storage, aliquot and store at -20°C, avoid freeze/thaw cycles.
<b>Note</b>	For research use only
<b>Protein Sequence</b>	APIGSDPPTS CCFSYTSRKI HRNFVMDYYE TSSLCSQPAV VFLTCKKGRQI CADPSEPWWNEYVNDLELN
<b>Purity</b>	> 95% by SDS-PAGE and HPLC analyses
<b>MW</b>	7.8 kDa
<b>Expiration Date</b>	6 months from date of receipt.

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