

Recombinant Rat Macrophage Inflammatory Protein-1 beta/CCL4

Catalog No: #AP60377

Package Size: #AP60377-1 5ug #AP60377-2 100ug #AP60377-3 500ug

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Description

Product Name	Recombinant Rat Macrophage Inflammatory Protein-1 beta/CCL4
Host Species	Escherichia coli.
Purification	> 95 % by SDS-PAGE and HPLC analyses.
Other Names	Small-inducible Cytokine A4
Uniprot	P50230
GeneID	116637
Calculated MW	Approximately 7.8 kDa, a single non-glycosylated polypeptide chain containing 69 amino acids.
Target Sequence	APIGSDPPTS CCFSYTSRKI HRNFVMDYYE TSSLCSQPAV VFLTKKGRQI CADPSEPWVN EYVNDLELN
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 2 x PBS, pH 7.4, 3 % trehalose.
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.

Background

Chemokine (C-C motif) ligand 4 encoded by the CCL4 gene, also known as macrophage inflammatory protein-1 β (MIP-1 β) 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-1 β and MIP-1 α are active on human and murine hematopoietic cells.

Note: This product is for in vitro research use only