Public Protein/Plasmid Library

C-C motif chemokine 4 (CCL4), Human

Cat.no. PK0273

Product size: 5ug 25ug 1mg
Source: E. coli
Species: Human

Biological Activity: The EC50 value of human MIP-1β/CCL4 on Ca^{2+} mobilization assay in CHO-K1/ Gα15/hCCR5 cells (human Gα15 and human CCR5 stably expressed in CHO-K1 cells) is less than 100 ng/ml.

Molecular Weight: 7.6 kDa, observed by reducing SDS-PAGE.

Formulation: Lyophilized after extensive dialysis against PBS.

Reconstitution: Reconstituted in ddH_2O or PBS at 100 μg/ml.

Purity: > 95% by SDS-PAGE and HPLC analyses.

Endotoxin Level: < 0.2 EU/μg, determined by LAL method.

Storage: Lyophilized recombinant human MIP-1β/CCL4 remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, human MIP-1β/CCL4 should be stable up to 1 week at 4°C or up to 2 months at -20°C.

Description: Macrophage inflammatory protein 1 beta (MIP-1β), also known as Chemokine (C-C motif) ligand 4(CCL4), is a small cytokine belonging to the CC chemokine family. It is a chemoattractant for natural killer cells, monocytes and a variety of other immune cells. MIP-1βis a major HIV-suppressive factor produced by CD8+ T cells. Perforin-low memory CD8+ T cells are the most common T-cells that normally synthesize MIP-1-beta in humans. MIP-1βhas been shown to interact with CCL3. It can signal through the CCR5 receptor. Recombinant MIP-1β/CCL4 produced in E. coli is a single non-glycosylated polypeptide chain containing 69 amino acids.

Amino Acid Sequence:
00001 APMGSDPPTA CCFSYTARKL PRNFVVDYYE TSSLCSQPAV
00041 VFQTKRSKQV CADPSESWVQ EYVYDLELN

Synonyms: C-C motif chemokine 4, G-26 T-lymphocyte-secreted protein, HC21, Lymphocyte activation gene 1 protein, LAG-1, Macrophage inflammatory protein 1-beta, MIP-1-beta, PAT744, Protein H400, SIS-gamma, Small-inducible cytokine A4, T-cell activation protein 2, ACT-2, ACT2, CCL4, LAG1, MIP1B, SCYA4

Note： For research use only, not for use in diagnostic procedure.