

MIP-1 α /CCL3, human recombinant protein
Macrophage Inflammatory Protein-1 α , CCL3, LD78 α
Catalog # PBV10803r**Specification**

MIP-1 α /CCL3, human recombinant protein - Product info

Primary Accession [P10147](#)
Calculated MW **7.8 kDa** KDa

MIP-1 α /CCL3, human recombinant protein - Additional Info

Gene ID	6348
Gene Symbol	CCL3
Other Names	
Macrophage Inflammatory Protein-1 α , CCL3, LD78 α	
Gene Source	Human
Source	E. Coli
Assay&Purity	SDS-PAGE; \geq98%
Assay2&Purity2	HPLC;
Recombinant	Yes
Sequence	ASLAADTPTA CCFSYTSRQI PQNFIADYFE TSSQCSKPGV IFLTKRSRQV CADPSEEWVQ KYVSDLELSA

Target/Specificity
CCL3

Application Notes

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Format

Lyophilized powder

Storage

-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized with no additives.

MIP-1 α /CCL3, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MIP-1 α /CCL3, human recombinant protein - Images**MIP-1 α /CCL3, human recombinant protein - Background**

Both MIP-1 α and MIP-1 β are structurally and functionally related CC chemokines. They participate in the host response to invading bacterial, viral, parasite and fungal pathogens by regulating the trafficking and activation state of selected subgroups of inflammatory cells e.g. macrophages, lymphocytes and NK cells. While both MIP-1 α and MIP-1 β exert similar effects on monocytes their effect on lymphocytes differ; with MIP-1 α selectively attracting CD8+ lymphocytes and MIP-1 β selectively attracting CD4+ lymphocytes. Additionally, MIP-1 α and MIP-1 β have also been shown to be potent chemo attractants for B cells, eosinophils and dendritic cells. Both human and murine MIP-1 α and MIP-1 β are active on human and murine hematopoietic cells. Recombinant human MIP-1 α is a 7.8 kDa protein containing 70 amino acid residues, including the four highly conserved cysteine residues present in CC chemokines.