

Product datasheet

Recombinant human Macrophage Inflammatory Protein 1 alpha / CCL3 ab202801

Description

Product name	Recombinant human Macrophage Inflammatory Protein 1 alpha / CCL3
Biological activity	Determined by its ability to chemoattract human monocytes using a concentration range of 1.0-10.0 ng/ml.
Purity	> 96 % SDS-PAGE. > 96 % by HPLC analysis.
Endotoxin level	< 1.000 Eu/μg
Expression system	Escherichia coli
Accession	<u>P10147</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	ASLAADTPTACCFSTSRQIPQNFIADYFETSSQCSKPGVI FLTKRSRQV CADPSEEWVKYVSDLELSA
Predicted molecular weight	8 kDa
Amino acids	23 to 92
Additional sequence information	This product is the mature full length protein from aa 23 to 92. The signal peptide is not included.
Description	Recombinant human MIP-1 alpha/CCL3 protein

Specifications

Our **Abpromise guarantee** covers the use of **ab202801** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Functional Studies HPLC
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C long term. Avoid freeze / thaw cycle.
	pH: 7.40
	Constituents: 0.58% Sodium chloride, 99% Phosphate Buffer
	Lyophilised from a 0.2mm filtered concentrated solution.
	This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Briefly centrifuge vial prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at -20°C to -70°C. Further dilutions should be made in appropriate buffered solutions.

General Info

Function	Monokine with inflammatory and chemokinetic properties. Binds to CCR1, CCR4 and CCR5. One of the major HIV-suppressive factors produced by CD8+ T-cells. Recombinant MIP-1-alpha induces a dose-dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV).
Sequence similarities	Belongs to the intercrine beta (chemokine CC) family.
Post-translational modifications	N-terminal processed form LD78-alpha(4-69) is produced by proteolytic cleavage after secretion from HTLV1-transformed T-cells.
Cellular localization	Secreted.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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