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Datasheet for 009-001-B51

MIP-3 alpha Human Recombinant Protein

Overview

Description:	MIP-3α Human Recombinant Protein - 009-001-B51
Item No.:	009-001-B51
Size:	20 µg
Applications:	SDS-PAGE
Origin:	Human
Expressed in:	E. coli

Product Details

Background:	Human Macrophage Inflammatory Protein-3 alpha, also known as LARC (Liver and Activation Regulated Chemokine) or CCL20. This protein is strongly up regulated by inflammatory signals and down regulated by the anti-inflammatory cytokine IL-10. H-MIP-3-alpha is a non-glycosylated polypeptide chain consisting of 70 amino acids and a molecular weight of 8.0 kDa.
Synonyms:	Human Macrophage Inflammatory Protein-3-alpha, CCL20, Small-inducible cytokine A20, Macrophage inflammatory protein 3 alpha, MIP-3-alpha, Liver and Activation-Regulated Chemokine, CC chemokine LARC, Beta-chemokine exodus-1
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein
Low Endotoxin:	Yes

Target Details

Gene Name:	CCL20
Purity/Specificity:	Purity was determined to be greater than 97% by analysis by RP-HPLC and by reducing and non-reducing SDS-PAGE.
Relevant Links:	• NCBI • UniProtKB - P78556

Application Details

Tested Applications:	SDS-PAGE
Application Note:	MIP-3α protein has been tested by SDS-PAGE and is suitable as a control for polyclonal or monoclonal anti-MIP-3α in immunological assays.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
Other:	Biological Activity: Human MIP-3-alpha is a chemoattractant to human T-cells, working in a concentration range of 7 - 70 ng/ml. Endotoxin Level: Measured by LAL is <0.01ng/µg or <0.1EU/µg.

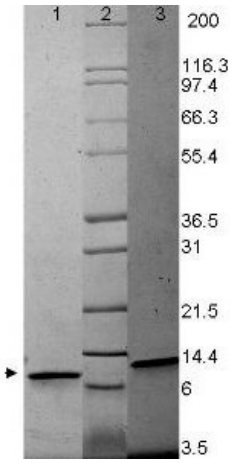
Formulation

Physical State:	Lyophilized
Concentration:	0.1 mg/mL by UV absorbance at 280 nm
Buffer:	0.1% Trifluoroacetic acid
Preservative:	None
Stabilizer:	None
Reconstitution Volume:	20µl (20-200µl)
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL) . For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.
Expiration:	Expiration date is six (6) months from date of receipt.

Images



SDS-PAGE
SDS-PAGE shows band corresponding to MIP-3a (1µg) in lane 1 (unreduced, arrowhead) and lane 3 (reduced). Molecular weight estimation was made by comparison to prestained MW markers, lane 2.

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