Datasheet for ABIN6699605

CCL18 Protein

2 Images

Go to Product page

Overview

Quantity:	10 µg
Target:	CCL18
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	Human Macrophage Inflammatory Protein-4 (CCL18) Recombinant Protein
Purification:	Macrophage Inflammatory protein-4 (CCL18) purity was determined to be greater than 98% as determined by HpLC, analysis by UV-Spectroscopy at 280nm, and by reducing and non-reducing SDS-pAGE.
Purity:	98,00%
Endotoxin Level:	Measured by LAL is typically ≤ 1 EU/µg protein.
Biological Activity Comment:	The activity is determined by the ability to chemoattract human primary T cells or PBMCs and is typically 1.0-8.0 ng/mL.

Target Details

Target:	CCL18
Alternative Name:	CCL18 (CCL18 Products)
Background:	Synonyms: PARC, Alternative macrophage activation-associatedCC chemokine 1 (AMAC-1),

Target Details

	Dendritic cell chemokine 1 (DC-CK1), Macrophage inflammatory protein 4 (MIP-4), Pulmonary andactivation-regulated chemokine, Small-inducible cytokine A18 Background: Macrophage Inflammatory Protein-4 (MIP-4), also called CCL18, is a chemokine expressed in the lymph nodes, lungs, placenta and bone marrow. Although the MIP-4's receptor remains undetermined, MIP-4 is known to act as a chemoattractant for activated and non-activated T cells. Recombinant human MIP-4 is a non-glycosylated protein, containing 69 amino acids, with a molecular weight of 7.8 kDa.
UniProt:	P55774

Application Details

Application Notes:	Other: User Optimized Application_Note: Macrophage Inflammatory Protein-4 Recombinant Protein has been tested by SDS-PAGE and biological activity and is suitable as a control for polyclonal or monoclonal anti-Macrophage Inflammatory Protein-4 in immunological assays.
Comment:	Suggested_Applications: Cellular Assay Other_Performance_Data:
Restrictions:	For Research Use only

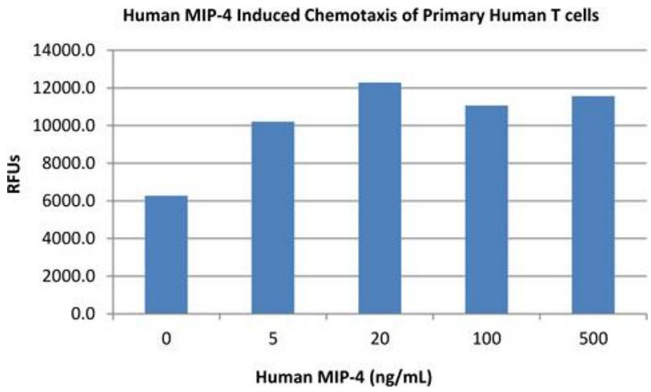
Handling

Format:	Lyophilized
Reconstitution:	Reconstitution_Buffer: Restore with deionized water (or equivalent) Reconstitution_Volume: 10 µL (10-100 µL)
Concentration:	0.1 mg/mL
Buffer:	Buffer: 0.1 % Trifluoroacetic acid Stabilizer: None
Preservative:	Without preservative
Storage:	-20 °C
Storage Comment:	Store vial at -20° 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

Handling

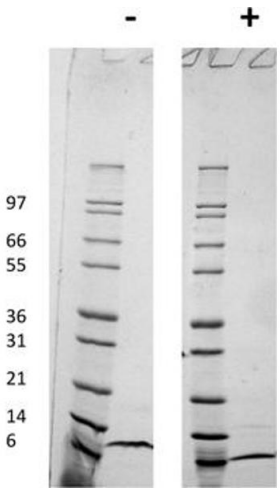
	at room temperature.
Expiry Date:	6 months

Images



SDS-PAGE

Image 1. SDS-PAGE of Human Macrophage Inflammatory Protein-4 (CCL18) Recombinant Protein Bioactivity of Human Macrophage Inflammatory Protein-4 (CCL18) Recombinant Protein. Human T cells were allowed to migrate to Human MIP-4 at (0, 5, 20, 100 and 500 ng/mL). After 4 hours, cells that migrated were counted using a luminescent substrate and displayed on the bar graph above. Significant increases in migration over basal levels were seen in response to Human MIP-4 detectable starting at 5 ng/mL.



SDS-PAGE

Image 2. SDS-PAGE of Human Macrophage Inflammatory Protein-4 (CCL18) Recombinant Protein SDS-PAGE of Human Macrophage Inflammatory Protein-4 (CCL18) Recombinant Protein. Lane 1: Molecular weight marker. Lane 2: 1 µg Human MIP-4 in non-reducing conditions . Lane 3: 1 µg Human MIP-4 in reducing conditions (+). Human MIP-4 has a predicted MW of 7.8 kDa.