antibodies.com

Datasheet for ABIN2018252 CCL3 Protein (AA 23-92)



Overview

Quantity:	50 µg
Target:	CCL3
Protein Characteristics:	AA 23-92
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Product Details	
Characteristics:	ED50 < 80 ng/mL, measured by the FLIPR assay using CHO cells transfected with human CCR5, the receptor of human CCL3, corresponding to a specific activity of > 1.25x10^4 units/mg.
Purity:	> 95 % as analyzed by SDS-PAGE and HPLC.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.
Target Details	
Target:	CCL3
Alternative Name:	MIP-1alpha/CCL3 (CCL3 Products)

Background:	MIP-1 alpha/CCL3, also known as LD78 alpha, is an inflammatory chemokine. MIP-1alpha
	belongs to the CCL chemokine family, and shares 68 % homology with MIP-1beta. The mature
	form of MIP-1alpha contains 69 amino acids, exists as dimers in solution, and tends to undergo

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/2 | Product datasheet for ABIN2018252 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

	reversible aggregation. The receptors of MIP-1alpha in vivo are mainly the G-protein coupled
	receptors CCR1 and CCR5. Upon stimulation by endogenous and exogenous agents such as
	Interleukin-1beta, Interferon-gamma, and lipoteichoic acid from Gram-positive bacteria,
	monocytes are able to secrete significant amounts of MIP-1alpha. MIP-1alpha augments the
	adhesions of T lymphocytes, monocytes, and neutrophils to vascular cell adhesion molecule 1.
	In addition, in wounds, MIP-1alpha chemo-attracts macrophages in order to accelerate the
	tissue repair process.Recombinant human MIP-1 alpha/CCL3 (rhMIP-1 alpha) produced in E.
	coli is a single non-glycosylated polypeptide chain containing 70 amino acids. A fully
	biologically active molecule, rhMIP-1 alpha has a molecular mass of 7.8 kDa analyzed by
	reducing SDS-PAGE.
	Synonyms: Macrophage Inflammatory Protein-1 alpha, CCL3, LD78 alpha
Molecular Weight:	7.8 kDa, observed by reducing SDS-PAGE.
UniProt:	P10147
Pathways:	Cellular Response to Molecule of Bacterial Origin, Autophagy
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Reconstituted in ddH2O or PBS at 100 µg/mL.
Buffer:	Lyophilized after extensive dialysis against PBS.
Storage:	-80 °C
Storage Comment:	Lyophilized recombinant human MIP-1 alpha/CCL3 (rhMIP-1 alpha) remains stable up to 6
	months at -80 °C from date of receipt. Upon reconstitution, rhMIP-1 alpha remains stable up to
	2 weeks at 4 °C or up to 3 months at -20 °C.
Expiry Date:	6 months

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/2 | Product datasheet for ABIN2018252 | 09/11/2023 | Copyright antibodies-online. All rights reserved.