

For Research Use Only

# MIP-1 alpha/CCL3 Polyclonal antibody



Catalog Number: 27441-1-AP

## Basic Information

<b>Catalog Number:</b> 27441-1-AP	<b>GenBank Accession Number:</b> BC071834	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 300 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6348	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>Full Name:</b> chemokine (C-C motif) ligand 3	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 92 aa, 10 kDa	
<b>Immunogen Catalog Number:</b> AG26764	<b>Observed MW:</b> 10 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB: THP-1 cells,
<b>Species Specificity:</b> human	

## Background Information

Chemokine (C-C motif) ligand 3 (CCL3), also known as MIP-1 $\alpha$ , belongs to the family of chemokines. CCL3 has been found in the central nervous system and its cognate receptors, CCR1 and CCR5, have been reported to be expressed by astrocytes, microglia and neurons. CCL3 and its receptors, CCR1 and CCR5, also contribute to the development of bone disease in multiple myeloma by supporting tumor growth and regulating osteoclast differentiation. CCL3 is also associated with the regulation of cell growth, angiogenesis, and metastasis of different tumors such as melanoma, renal cell carcinoma, and colorectal cancer. Moreover, CCL3 enhances cell migration and metastasis by up-regulating matrix metalloproteinase-2 (MMP)-2 expression in chondrosarcoma cells.

## Storage

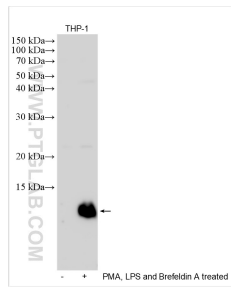
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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## Selected Validation Data



PMA, LPS, and Brefeldin A treated THP-1 cells were subjected to SDS PAGE followed by western blot with 27441-1-AP (MIP 1 alpha/CCL3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.