

For Research Use Only

# CoraLite® Plus 488-conjugated p38 MAPK Recombinant antibody

Catalog Number: CL488-80821-3



## Basic Information

<b>Catalog Number:</b> CL488-80821-3	<b>GenBank Accession Number:</b> BC031574	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1432	<b>CloneNo.:</b> 230263H7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q16539	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG	<b>Full Name:</b> mitogen-activated protein kinase 14	
<b>Immunogen Catalog Number:</b> AG5115	<b>Calculated MW:</b> 360 aa, 41 kDa	
	<b>Observed MW:</b> 38-42 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
human, mouse

## Background Information

MAPK14(mitogen-activated protein kinase 14) is also named as SAPIK2A, p38MAPK, CSBP1, RK, p38, EXIP, Mxi2, CSBP2, PRKM14, PRKM15, CSPB1, p38ALPHA and belongs to the MAP kinase subfamily. MAPK14-signaling is a central pathway for the integration of instructive signals in dendritic cells for T(H)17 differentiation and inflammation(PMID:22231518). It plays an important role in the regulation of hematopoietic stem cell self-renewal in vitro and inhibition of MAPK14 activation with a small molecule inhibitor may represent a novel approach to promote ex vivo expansion of hematopoietic stem cell(PMID:21198398). This protein has 4 isoforms produced by alternative splicing.

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

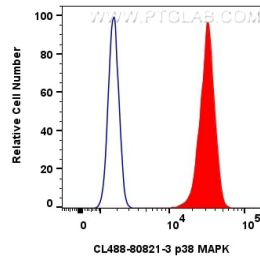
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

**Aliquoting is unnecessary for -20°C storage**

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](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.8 ug Coralite® Plus 488 P38 MAPK Recombinant Antibody (CL488-80821-3, Clone:230263H7)(red), or 0.8 ug Coralite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).