

For Research Use Only

Mmp9 Recombinant antibody

Catalog Number: 82854-5-RR



Basic Information

Catalog Number: 82854-5-RR	GenBank Accession Number: NM_013599	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 17395	CloneNo.: 230069F1
Source: Rabbit	UNIPROT ID: P41245-1	
Isotype: IgG	Full Name: matrix metalloproteinase 9	
	Calculated MW: 81kd	

Applications

Tested Applications:
FC (Intra), ELISA

Species Specificity:
human, mouse

Background Information

Mmp9 (matrix metalloproteinase 9), also known as Clg4b. It is expected to be located in extracellular matrix. Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, tissue remodeling, and disease processes, such as arthritis or metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. Studies in rhesus monkeys suggest that MMP9 is involved in IL-8-induced mobilization hematopoietic progenitor cells from bone marrow, and murine studies suggest a role in tumor-associated tissue remodeling. The pro-MMP9 is 92 kDa, and it can be detected as a processed form of 68 kDa. This protein can exist as a dimer of 180 kDa (PMID:7492685).

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.

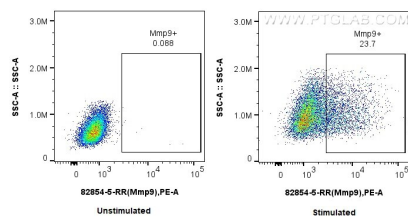
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

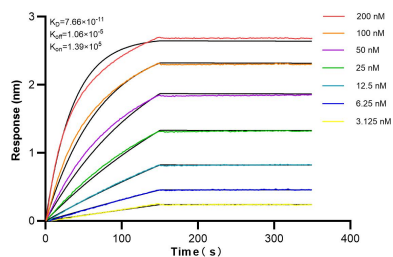
For technical support and original validation data for this product please contact:
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E: proteintech@ptglab.com
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Selected Validation Data



1x10⁶ unstimulated or LPS and BFA treated RAW 264.7 cells were intracellularly stained with 0.13 ug Anti-Mouse Mmp9 (82854-5-RR, Clone:230069F1) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:700. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 82854-5-RR against Human Mmp9 were performed. The affinity constant is 76.6 pM.