

For Research Use Only

# Mouse Mmp9 Recombinant antibody, PBS Only (Detector)



Catalog Number: 82854-6-PBS

## Basic Information

<b>Catalog Number:</b> 82854-6-PBS	<b>GenBank Accession Number:</b> NM_013599	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 17395	<b>CloneNo.:</b> 230069C7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P41245-1	
<b>Isotype:</b> IgG	<b>Full Name:</b> matrix metalloproteinase 9	
	<b>Calculated MW:</b> 81kd	

## Applications

**Tested Applications:**  
Sandwich ELISA, Indirect ELISA, Sample test

**Species Specificity:**  
mouse

## Product Information

82854-6-PBS targets Mmp9 as part of a matched antibody pair:

MP00776-1: 82854-7-PBS capture and 82854-6-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## Storage

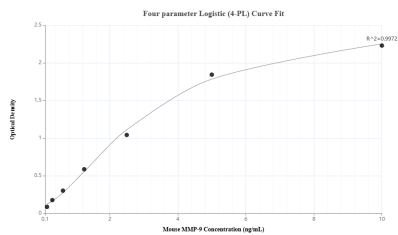
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

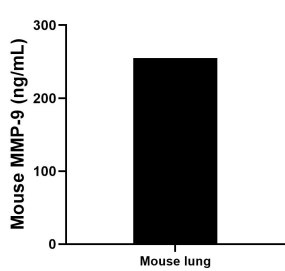
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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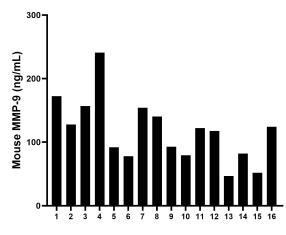
## Selected Validation Data



Sandwich ELISA standard curve of MP00776-1, Mouse MMP-9 Recombinant Matched Antibody Pair - PBS only. 82854-7-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0452. 82854-6-PBS was HRP conjugated as the detection antibody. Range: 0.16-10 ng/mL.



Mouse lung tissue (3 lungs in 1-2 mm pieces in 100 mL of medium) was cultured for 6 days in RPMI supplemented with 10% fetal bovine serum, 50  $\mu$ M  $\beta$ -mercaptoethanol, 2 mM L-glutamine, 100 U/mL penicillin, and 100  $\mu$ g/mL streptomycin sulfate. An aliquot of the cell culture supernatant was removed, assayed for mouse Total MMP-9, and measured 255.0 ng/mL.



Serum of eight mice was measured. The Mouse MMP-9 concentration of detected samples was determined to be 117.52 ng/mL with a range of 46.86 - 240.93 ng/mL.