

# MMP8 Recombinant monoclonal antibody

Catalog Number: 85211-4-RR

## Basic Information

Catalog Number: 85211-4-RR	GenBank Accession Number: NM_022221.1	Purification Method: Protein A purification
Concentration: 1000 µg/ml	GeneID (NCBI): 63849	CloneNo.: 242473H8
Source: Rabbit	UNIPROT ID: O88766	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:1000-1:4000
Isotype: IgG	Full Name: matrix metalloproteinase 8	
Immunogen Catalog Number: EG3278	Calculated MW: 53 kDa Observed MW: 60-70 kDa	

## Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: rat	WB : rat lung tissue, rat liver tissue IHC : mouse spleen tissue,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

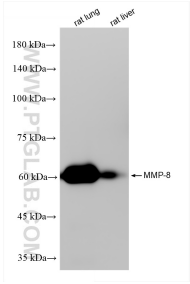
## Background Information

MMP8(Matrix metalloproteinase-8) an enzyme that degrades fibrillar collagens imparting strength to the fetal membranes, is expressed by leukocytes and chorionic cytotrophoblast cells(PMID:15367487). Purified human neutrophil MMP-8 with proMMP-8 at 70-75 KDa and active enzyme at 65 KDa and amniochorion proenzyme and active enzyme at 65 and 50 KDa, respectively(PMID: 28772283, PMID:15042023).

## Storage

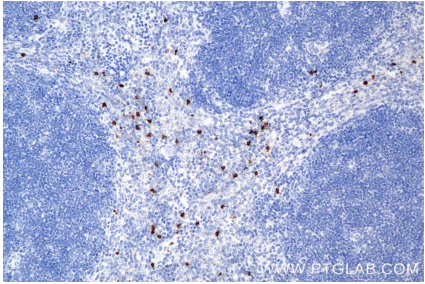
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85211-4-RR (MMP-8 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 85211-4-RR (MMP8 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 85211-4-RR (MMP8 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).