

For Research Use Only

# Lysozyme Recombinant antibody, PBS Only

Catalog Number: 84140-1-PBS



## Basic Information

|                           |             |                           |                              |                      |                        |
|---------------------------|-------------|---------------------------|------------------------------|----------------------|------------------------|
| Catalog Number:           | 84140-1-PBS | GenBank Accession Number: | BC004147                     | Purification Method: | Protein A purification |
| Concentration:            | 1 mg/ml     | GeneID (NCBI):            | 4069                         | CloneNo.:            | 241054E1               |
| Source:                   | Rabbit      | UNIPROT ID:               | P61626                       |                      |                        |
| Isotype:                  | IgG         | Full Name:                | lysozyme (renal amyloidosis) |                      |                        |
| Immunogen Catalog Number: | AG6917      | Calculated MW:            | 17 kDa                       |                      |                        |
|                           |             | Observed MW:              | 10 kDa                       |                      |                        |

## Applications

Tested Applications:  
WB, IHC, ELISA

Species Specificity:  
human

## Background Information

LYZ (Lysozyme C) is also named as LZM and belongs to the glycosyl hydrolase 22 family. It catalyzes the hydrolysis of the bacterial cell wall beta(1-4) glycosidic linkages between N-acetylmuramic acid and N-acetylglucosamine. In tissues and body fluids this protein is associated with the monocyte-macrophage system and enhance the activity of immunoagents. LYZ is capable of both hydrolysis and transglycosylation; it shows also a slight esterase activity. Defects in LYZ are a cause of amyloidosis type 8 (AMYL8). The full length protein has a signal peptide with 18 amino acid.

## Storage

Storage:  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**  
Storage Buffer:  
PBS Only

For technical support and original validation data for this product please contact:

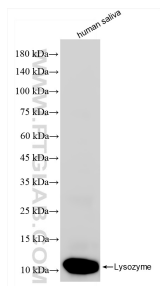
T: 4006900926

E: Proteintech-CN@ptglab.com

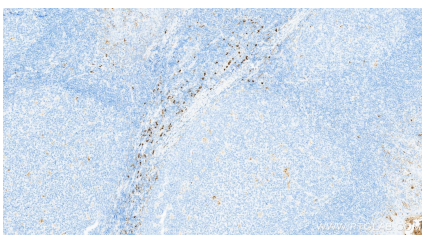
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

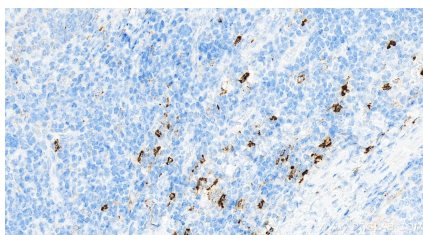
## Selected Validation Data



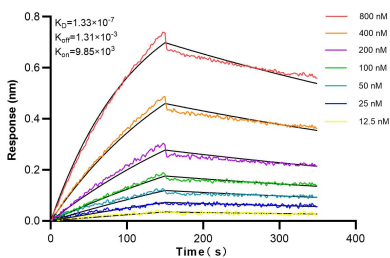
human saliva were subjected to SDS PAGE followed by western blot with 84140-1-RR (Lysozyme antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84140-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 84140-1-RR (Lysozyme antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84140-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 84140-1-RR (Lysozyme antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84140-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84140-1-RR against Human Lysozyme were performed. The affinity constant is 133 nM.