

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
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	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

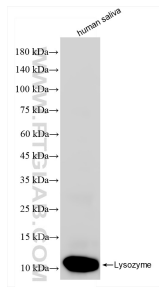
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

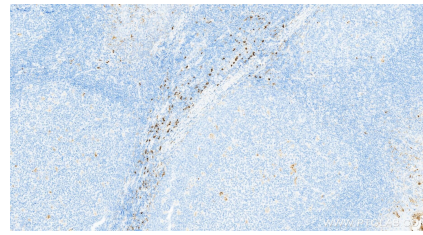
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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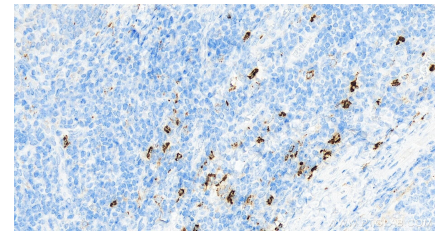
Selected Validation Data



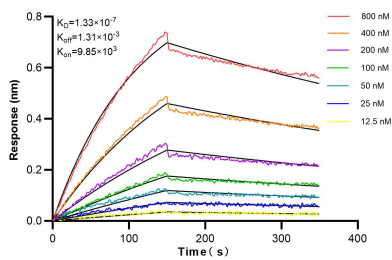
human saliva were subjected to SDS PAGE followed by western blot with 84140-1-RR (Lysozyme antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84140-1-PBS in a different storage buffer formulation.



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.