Lysozyme (LYZ) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	lysozyme (LYZ), Polyclonal Antibody
Full Product Name	Rabbit anti Human lysozyme, conjugated with Horseradish peroxidase
Product Gene Name	anti-LYZ antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Specificity	Horseradish peroxidase-conjugated IgG fraction of polyclonal Rabbit antiSerum to Human lysozyme.
Preparation and Storage	Store at 4 degree C.
Molecular Weight	16,537 Da
Chromosome Location	Chromosome: 12; NC_000012.11 (69742134..69748013). Location: 12q15
OMIM	105200
3D Structure	ModBase 3D Structure for P61626
Conjugation	HRP
Reactivity Note	The antiSerum does not cross-react with any other component of Human plasma. Inter-species crossreactivity is a normal feature of antibodies to plasma proteins since they frequently share antigenic determinants. Cross-reactivity of this antiSerum has not been tested in detail.
Product Categories/Family for anti-LYZ antibody	Conjugated Secondary Antibody
Applications Tested/Suitable for anti-LYZ antibody	ELISA (EIA), Immunocytochemistry (IHC), Immunohistochemistry (IHC), Dot Blot (DB), Immunoblotting (IB)
Related Product Information for anti-LYZ antibody	MBS573387 is an antibody targeting LYZ. Also known as Rabbit anti Human lysozyme, conjugated with Horseradish peroxidase. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-LYZ antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LYZ. It may not necessarily be applicable to this product.

NCBI GI #	307142
NCBI GeneID	4069
NCBI Accession #	AAA59536.1
UniProt Primary Accession #	P61626
UniProt Secondary Accession #	P00695; Q13170; Q9UCF8
UniProt Related Accession #	P61626
NCBI Official Full Name	lysozyme (EC 3.2.1.17)

NCBI Official Synonym Full Names	lysozyme
NCBI Official Symbol	LYZ
NCBI Official Synonym Symbols	LZM
UniProt Protein Name	Lysozyme C
UniProt Synonym Protein Names	1,4-beta-N-acetylmuramidase C
Protein Family	Lysozyme
UniProt Gene Name	LYZ
UniProt Synonym Gene Names	LZM
UniProt Entry Name	LYSC_HUMAN
NCBI Protein Information	lysozyme C; 1,4-beta-N-acetylmuramidase C
NCBI Summary for LYZ	This gene encodes human lysozyme, whose natural substrate is the bacterial cell wall peptidoglycan (cleaving the beta[1-4]glycosidic linkages between N-acetylmuramic acid and N-acetylglucosamine). Lysozyme is one of the anti-microbial agents found in human milk, and is also present in spleen, lung, kidney, white blood cells, plasma, saliva, and tears. Missense mutations in LYZ have been identified in heritable renal amyloidosis. [provided by RefSeq, Jul 2008]
UniProt Comments for LYZ	LYZ: Lysozymes have primarily a bacteriolytic function; those in tissues and body fluids are associated with the monocyte- macrophage system and enhance the activity of immunoagents. Defects in LYZ are a cause of amyloidosis type 8 (AMYL8); also known as systemic non-neuropathic amyloidosis or Ostertag-type amyloidosis. AMYL8 is a hereditary generalized amyloidosis due to deposition of apolipoprotein A1, fibrinogen and lysozyme amyloids. Viscera are particularly affected. There is no involvement of the nervous system. Clinical features include renal amyloidosis resulting in nephrotic syndrome, arterial hypertension, hepatosplenomegaly, cholestasis, petechial skin rash. Belongs to the glycosyl hydrolase 22 family. Protein type: Vesicle; Endoplasmic reticulum; Secreted, signal peptide; EC 3.2.1.17; Hydrolase; Secreted Chromosomal Location of Human Ortholog: 12q15 Cellular Component: extracellular space; extracellular region Molecular Function: identical protein binding; lysozyme activity Biological Process: retinal homeostasis; metabolic process; cytolysis; defense response to bacterium; inflammatory response Disease: Amyloidosis, Familial Visceral
Research Articles on LYZ	**1.** The purpose of this study was to evaluate the effect of chronic alcohol intoxication and smoking on the concentration and output of salivary lysozyme.
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