



Anti-LYSOZYME (Hen Egg White) (RABBIT) Antibody Biotin Conjugated (BULK ORDER) - 200-4672

Code: 200-4672

Size: 10 mg

Product Description: Anti-LYSOZYME (Hen Egg White) (RABBIT) Antibody Biotin Conjugated (BULK ORDER) - 200-4672

Concentration: 10 mg/mL by UV absorbance at 280 nm

PhysicalState: Lyophilized

Label	Biotin
Host	Rabbit
Gene Name	LYZ
Species Reactivity	chicken
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Volume	1.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Synonyms	rabbit anti-Lysozyme Antibody biotin Conjugation, biotin Conjugated rabbit anti-Lysozyme Antibody, 1 4 beta n acetyl-muramidase c antibody, EC 3.2.1.17 antibody, LYZ antibody, Lysozyme C antibody, Lysozyme C precursor antibody, LZM antibody
Application Note	Anti-Lysozyme Antibody is suitable for western blotting, IP and for ELISA. Researchers should determine optimal titers for applications that are not stated below.
Background	Anti-Lysozyme Antibody detects lysozyme. Lysozyme belongs to the glycoside hydrolases enzymes that damage bacterial cell walls by catalyzing hydrolysis of 1,4-beta-linkages between N-acetylmuramic acid and N-acetyl-D-glucosamine residues in a peptidoglycan and between N-acetyl-D-glucosamine residues in chitodextrins. Lysozyme is abundant in a number of secretions, such as tears, saliva, human milk, and mucus. It is also present in cytoplasmic granules of the polymorphonuclear neutrophils. Large amounts of lysozyme can be found in egg white. Anti-Lysozyme Antibody is ideal for investigators involved in Cell Signaling, Neuroscience and Signal Transduction research.
Purity And Specificity	Anti-Lysozyme Antibody is an IgG fraction purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin, anti-Rabbit Serum as well as purified and partially purified Lysozyme [Hen Egg White]. Cross reactivity against Lysozyme from other sources is unknown.
Assay Dilutions	User Optimized
ELISA	1:20,000
Western Blot	1:2,000 - 1:10,000
Immunohistochemistry	1:1,000 - 1:5,000
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	Anti-Lysozyme Antibody was produced by repeated immunizations with hen egg white Lysozyme protein.
Related Products	

200-401-072S

Anti-LYSOZYME (Hen Egg White) (RABBIT) Antibody - 200-401-072S

611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
611-142-122	Anti-RABBIT IgG (H&L) (GOAT) Antibody DyLight™ 549 Conjugated (Min X Bv Ch Gt GP Ham Hs Hu Ms Rt & Sh Serum Proteins) - 611-142-122
611-157-122	Anti-RABBIT IgG (H&L) (GOAT) Antibody ATTO 655 Conjugated (Min X Bv Ch Gt GP Ham Hs Hu Ms Rt & Sh Serum Proteins) - 611-157-122

Related Links

NCBI - 47825389

<http://www.ncbi.nlm.nih.gov/protein/47825389>

UniProtKB - Q6LEL2

<http://www.uniprot.org/uniprot/Q6LEL2>

GeneID - 395708

Images

- Western Blot of Rabbit anti-Lysozyme antibody. (Left Blot-grey) Samples of ~1 ug of protein per lane were run by SDS-PAGE. Protein was transferred to nitrocellulose and probed with Rockland Biotin Conjugated Rabbit anti Lysozyme antibody (200-4672 lot 20676 1:5K in MB-0070, ON 4 C). Lane 1: purified Lysozyme reduced. Lane 2: purified Lysozyme non-reduced. Load: ~1 ug per lane. Primary antibody: Biotin Conjugated Rabbit anti Lysozyme antibody at 1:5000 for overnight at 4°C. Secondary antibody: Dylight 488 conjugated Streptavidin at 1:1,000 with Block: MB-070 overnight at 4°C. (Right Blot-red) Blot shown on right shows detection of 0.5 ug reduced (R) and nonreduced (NR) Lysozyme using Rockland p/n 200-401-072 lot 26517 (1:1000 in MB-070) with Rockland Dylight 549 conjugated secondary antibody (605-742-125 lot 21096 1:10K 1.5 hr RT in MB-070). Lane 1: purified Lysozyme reduced. Lane 2: purified Lysozyme non-reduced. Predicted/Observed size: 4.9kDa, 5 kDa for Lysozyme. Other band(s): none.



Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.