

**Anti-LYSOZYME (RABBIT) Antibody Biotin Conjugated (BULK ORDER)**  
**Lysozyme Antibody Biotin Conjugated**  
**Catalog # ASR4758**

**Specification**

**Anti-LYSOZYME (RABBIT) Antibody Biotin Conjugated (BULK ORDER) - Product Information**

Host	Rabbit
Conjugate	Biotin
FP Value	5.6 BAC molecules per Rabbit IgG molecule
Target Species	Chicken
Reactivity	Chicken
Clonality	Polyclonal
Application	WB, IHC, E, IP, I, LCI
Application Note	Anti-Lysozyme Biotin Conjugated Antibody has been tested by ELISA and western blot and is suitable for IP. Researchers should determine optimal titers for applications that are not stated below.
Physical State	Lyophilized
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Anti-Lysozyme Antibody was produced by repeated immunizations with hen egg white Lysozyme protein.
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

**Anti-LYSOZYME (RABBIT) Antibody Biotin Conjugated (BULK ORDER) - Additional Information**

**Gene ID** 396218

**Other Names**  
396218

**Purity**

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.

**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.

**Precautions Note**

This product is for research use only and is not intended for therapeutic or diagnostic applications.

**Anti-LYSOZYME (RABBIT) Antibody Biotin Conjugated (BULK ORDER) - Protein Information**

**Name** LYZ

**Function**

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. Has bacteriolytic activity against *M.luteus*.

**Cellular Location**

Secreted.

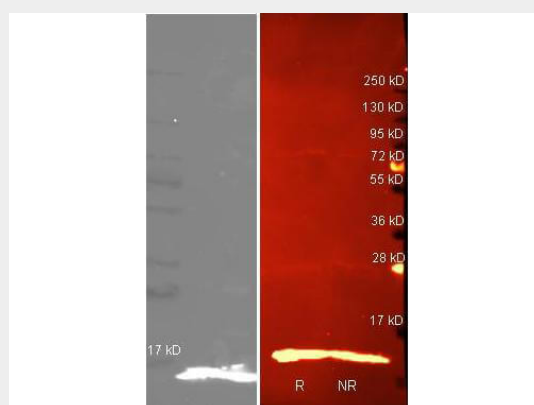
**Tissue Location**

In the egg white and polymorphonuclear leukocytes.

**Anti-LYSOZYME (RABBIT) Antibody Biotin Conjugated (BULK ORDER) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-LYSOZYME (RABBIT) Antibody Biotin Conjugated (BULK ORDER) - 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: ~14-16 kDa for Lysozyme. Other band(s): none.

#### **Anti-LYSOZYME (RABBIT) Antibody Biotin Conjugated (BULK ORDER) - 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.