

Datasheet for 200-4372-0100

Lysozyme Antibody Peroxidase Conjugated

Overview

Description:	Anti-Lysozyme (Hen Egg White) (RABBIT) Antibody Peroxidase Conjugated - 200-4372-0100
Item No.:	200-4372-0100
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Chicken
Host Species:	Rabbit

Product Details

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.
Synonyms:	rabbit anti-Lysozyme Antibody Peroxidase Conjugation, HRP Conjugated rabbit anti-Lysozyme Antibody, 1 4 beta n acetylmuramidase c antibody, EC 3.2.1.17 antibody, LYZ antibody, Lysozyme C antibody, Lysozyme C precursor antibody, LZM antibody, Hen Egg White
Host Species:	Rabbit
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	LYZ
Reactivity:	Chicken
Immunogen Type:	Native Protein

Immunogen:	Anti-Lysozyme Antibody was produced by repeated immunizations with hen egg white Lysozyme protein.
Purity/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-Peroxidase, anti-Rabbit Serum as well as purified and partially purified Lysozyme [Hen Egg White]. Cross reactivity against Lysozyme from other tissues and species may occur but have not been specifically determined.
Relevant Links:	<ul style="list-style-type: none">• UniProtKB - P00698• NCBI - NP_990612.1• GenelD - 396218

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-Lysozyme Peroxidase Conjugate Antibody has been tested by western blotting and ELISA and is suitable for IP. Researchers should determine optimal titers for applications that are not stated below.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IHC:	1:500 - 1:2,500
IP:	1:100
WB:	1:1,000 - 1:5,000

Formulation

Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	100 µL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
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.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Rabbit anti-Lysozyme antibody. (Left Blot-grey) Lane 1: purified Lysozyme reduced. Lane 2: purified Lysozyme non-reduced. (Right Blot-red) 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 1:5,000 with Dylight 549 conjugated secondary antibody at 1:10,000 for 1.5 hrs at RT. Block: MB-070 overnight at 4°C. Predicted/Observed size: ~14-16kDa 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.