



## Anti-PENICILLINASE (Enterobacter cloacae) (RABBIT) Antibody - 100-4175

**Code:** 100-4175

**Size:** 2 mL

**Product Description:** Anti-PENICILLINASE (Enterobacter cloacae) (RABBIT) Antibody - 100-4175

**Concentration:** 90 mg/mL by Refractometry

**PhysicalState:** Lyophilized

<b>Label</b>	Unconjugated
<b>Host</b>	Rabbit
<b>Gene Name</b>	ampC
<b>Species Reactivity</b>	Enterobacter cloacae
<b>Buffer</b>	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Stabilizer</b>	None
<b>Preservative</b>	0.01% (w/v) Sodium Azide
<b>Storage Condition</b>	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.
<b>Synonyms</b>	Penicillinase Beta-lactamase EC=3.5.2.6 Cephalosporinase ampC
<b>Application Note</b>	Anti-PENICILLINASE Antibody has been assayed against 1.0 ug of Penicillinase [Enterobacter cloacae] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) and (ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code as a substrate for 30 minutes at room temperature. A working dilution of 1:6,000 to 1:26,000 of the reconstitution concentration is suggested for this product. Optimal assay conditions should be determined by the researcher.
<b>Background</b>	PENICILLINASE Antibody detects penicillinase a beta-lactamase. Beta-lactamases are enzymes produced by some bacteria and are responsible for their resistance to beta-lactam antibiotics like penicillins, cephamycins, and carbapenems (ertapenem). These antibiotics have a common element in their molecular structure: a four-atom ring known as a beta-lactam. The lactamase enzyme breaks the $\beta$ -lactam ring open, deactivating the molecule's antibacterial properties. Anti-PENICILLINASE Antibody is suitable for researchers in microbiology and immunology.
<b>Purity And Specificity</b>	Anti-PENICILLINASE Antibody was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against purified and partially purified Penicillinase [Enterobacter cloacae]. Cross reactivity against Penicillinase from other tissues and species may occur but have not been specifically determined.
<b>Assay Dilutions</b>	User Optimized
<b>ELISA</b>	1:5,000 - 1:20,000
<b>WESTERN BLOT</b>	1:500 - 1:5,000
<b>OTHER ASSAYS</b>	User Optimized
<b>Expiration</b>	Expiration date is one (1) year from date of opening.
<b>Immunogen</b>	Penicillinase [Enterobacter cloacae]
<b>Related Products</b>	

100-4145	Anti-ALPHA AMYLASE (Bacillus amyloliquefaciens) (RABBIT) Antibody - 100-4145
611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
B304	NORMAL GOAT SERUM (NGS) - B304

B501-0500      BLOTTO Immunoanalytical Grade (Non-Fat Dry Milk) - B501-0500

#### Related Links

NCBI	<a href="http://www.ncbi.nlm.nih.gov/protein/AAO24600.1">http://www.ncbi.nlm.nih.gov/protein/AAO24600.1</a>
UniProtKB	<a href="http://www.uniprot.org/uniprot/P05364">http://www.uniprot.org/uniprot/P05364</a>
NCBI - AAO24600.1	<a href="http://www.ncbi.nlm.nih.gov/protein/AAO24600.1">http://www.ncbi.nlm.nih.gov/protein/AAO24600.1</a>
UniProt - P05364	<a href="http://www.uniprot.org/uniprot/P05364">http://www.uniprot.org/uniprot/P05364</a>
Gene ID - 9125732	<a href="http://www.ncbi.nlm.nih.gov/gene/9125732">http://www.ncbi.nlm.nih.gov/gene/9125732</a>

#### 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.