

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

Label	Unconjugated
Host	Rabbit
Gene Name	ampC
Species Reactivity	Enterobacter cloacae
Buffer	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Volume	2.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	None
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-penicillinase, Penicillinase, Beta-lactamase, Cephalosporinase, ampC
Application Note	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-ethylbenzothiazoline-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.
Background	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 -lactam ring open, deactivating the molecule's antibacterial properties. Anti-PENICILLINASE Antibody is suitable for researchers in microbiology and immunology.
Purity And Specificity	Anti-PENICILLINASE Antibody was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-rabbit serum, purified and partially purified Penicillinase [Enterobacter cloacae]. Cross reactivity against Penicillinase from other tissues and species may occur but have not been specifically determined.
Assay Dilutions	User Optimized
ELISA	1:5,000 - 1:20,000
Western Blot	1:500 - 1:5,000
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	Penicillinase [Enterobacter cloacae]

Related Products

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 - AAO24600.1

<http://www.ncbi.nlm.nih.gov/protein/AO24600.1>

UniProtKB - P05364

<http://www.uniprot.org/uniprot/P05364>

GeneID - 9125732

Disclaimer

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