

Datasheet for 200-4175-0100

Penicillinase Antibody

Overview

Description:	Anti-Penicillinase (Enterobacter cloacae) (RABBIT) Antibody - 200-4175-0100
Item No.:	200-4175-0100
Size:	100 µg
Applications:	WB
Reactivity:	Enterobacter cloacae
Host Species:	Rabbit

Product Details

Background:	Beta-lactamase or Penicillinase has catalytic activity of a beta-lactam + H ₂ O = a substituted beta-amino acid.
Synonyms:	rabbit anti-Penicillinase Antibody, Aer1 antibody, Beta lactamase 1 antibody, Beta lactamase AER 1 antibody, OXA9 antibody, Oxacillinase antibody, PenPC antibody, Cephalosporinase
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ampC
Reactivity:	Enterobacter cloacae
Immunogen Type:	Native Protein
Immunogen:	Penicillinase [E.cloacae]
Purity/Specificity:	Anti-Penicillinase is an IgG fraction antibody 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-Rabbit Serum as well as purified and partially purified Penicillinase [E.cloacae]. Cross reactivity against Penicillinase from other tissues and species may occur but have not been specifically determined.

Relevant Links:	• UniProtKB - P05364 • NCBI - AAO24600.1 • GeneID - 9125732
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Application Details

Tested Applications:	WB
Application Note:	Penicillinase Antibody has been tested by western blot and is suitable to be assayed against 1.0 µg of Penicillinase [E.cloacae] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) code #611-1302 and (ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:7,000 to 1:21,000 of the reconstitution concentration is suggested for this product.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IP:	1:100
WB:	1:500 - 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) Sodium Azide
Stabilizer:	None
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.

Disclaimer

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