

Datasheet for 200-4175S

Penicillinase Antibody

Overview

Description:	Anti-Penicillinase (Enterobacter cloacae) (RABBIT) Antibody - 200-4175S
Item No.:	200-4175S
Size:	25 µL
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:	Liquid (sterile filtered)
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

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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