antibodies - online.com







anti-Penicillinase antibody (Biotin)



Image



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Quantity:	100 μg
Target:	Penicillinase
Reactivity:	Enterobacter cloacae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Penicillinase antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP)
Product Details	
Immunogen:	Penicillinase [Enterobacter cloacae]
Immunogen:	Penicillinase [Enterobacter cloacae] Immunogen Type: Native Protein
Immunogen: Isotype:	
	Immunogen Type: Native Protein
Isotype:	Immunogen Type: Native Protein IgG
Isotype: Cross-Reactivity (Details):	Immunogen Type: Native Protein IgG Cross reactivity against Penicillinase from other sources is unknown.
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Isotype: Cross-Reactivity (Details):	Immunogen Type: Native Protein IgG Cross reactivity against Penicillinase from other sources is unknown. Anti-Penicillinase antibody is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange
Isotype: Cross-Reactivity (Details):	Immunogen Type: Native Protein IgG Cross reactivity against Penicillinase from other sources is unknown. Anti-Penicillinase antibody 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

Target Details

Target:	Penicillinase	
Abstract:	Penicillinase Products	
Background:	Anti-Penicillinase antibody recognizes the protein penicillinase, a beta lactamase specific to penicillins. Penicillinase hydrolyzes the beta-lactam ring of penicillins destroying their antibacterial potency. Thus, penicillinase is often found in antibiotic-resistant bacteria. Synonyms: Aer1 antibody, Beta lactamase 1 antibody, Beta lactamase AER 1 antibody, OXA9 antibody, Oxacillinase antibody, PenPC antibody	
Gene ID:	9125732	
UniProt:	P05364	

Application Details

Application Notes:

Anti-Penicillinase antibody has been assayed against 1.0 µg of Penicillinase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:4.000 to 1:20.000 of the reconstitution concentration is suggested for this product. This product has been assayed against 1.0 µg of Penicillinase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 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 1:4.000 to 1:20.000 of the reconstitution concentration is suggested for this product.

ELISA Dilution: 1:5.000 - 1:20.000

IF Immunoprecipitation Dilution: 1:100

Western Blot Dilution: 1:500 - 1:5.000

Restrictions:

For Research Use only

Handling

Format:	Liquid
Concentration:	10 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Handling Advice:	Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Storage:	-20 °C

Handling

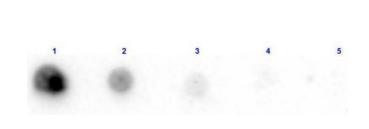
Storage	Comment:
Otorage	COLLINITICITY.

Store vial at -20 °C or below prior to opening. This vial contains a relatively low volume of reagent (25 μ L). To minimize loss of volume dilute 1:10 by adding 225 μ L 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.

Expiry Date:

Expiration date is one (1) year from date of opening.

Images



Dot Blot

Image 1. Dot Blot results of Rabbit Anti-Penicillinase Antibody Biotin Conjugated. Dots are Penicillinase at (1) 100ng, (2) 33.3ng, (3) 11.1ng, (4) 3.70ng, (5) 1.23ng. Blocking: ABIN925618 for 30 min at RT. Primary Antibody: Rabbit Anti-Penicillinase Biotin at 1μg/mL for 1hr at RT. Secondary Antibody: Streptavidin-HRP at 1:40,000 for 30min at RT. Imaged with BioRad ChemiDoc, Chemi filter.