

Product Datasheet

Penicillinase Antibody Biotin Conjugated (orb344977)

Description	Penicillinase antibody (Biotin)
Species/Host	Rabbit
Reactivity	Bacteria
Conjugation	Biotin
Tested Applications	DOT, IP, WB
Immunogen	Penicillinase [Enterobacter cloacae]
Preservatives	0.01% (w/v) Sodium Azide
Form/Appearance	Lyophilized
Concentration	1.0 mg/mL
Storage	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.
Note	For research use only
Application notes	Anti-Penicillinase Biotin Conjugated antibody has been tested by dot blot and is suitable to be assayed against 1.0 ug of Penicillinase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiiazoline-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.
Isotype	IgG

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Clonality	Polyclonal
Purity	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 immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin, anti-Rabbit Serum as well as purified and partially purified Penicillinase [<i>Enterobacter cloacae</i>]. Cross reactivity against Penicillinase from other sources is unknown.
Uniprot ID	P05364
NCBI	AAO24600.1
Dilution Range	IP: 1:100, WB: 1:500 - 1:2,000
Expiration Date	12 months from date of receipt.



Dot Blot results of Rabbit Anti-Penicillinase Antibody Biotin Conjugated. Dots are Penicillinase at (1) 100 ng, (2) 33.3 ng, (3) 11.1 ng, (4) 3.70 ng, (5) 1.23 ng. Blocking: orb348637 for 30 min at RT. Primary Antibody: Rabbit Anti-Penicillinase Biotin at 1 µg/ml for 1hr at RT. Secondary Antibody: Streptavidin-HRP (p/n orb348767) at 1:40000 for 30 min at RT.

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