

# Product Datasheet

## Penicillinase Antibody [Biotin]

### NB100-2006-0.1mg

Unit Size: 0.1 mg

Store lyophilized antibody at 4C in the dark. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.

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**NB100-2006-0.1mg**

Penicillinase Antibody [Biotin]

Product Information	
Unit Size	0.1 mg
Concentration	LYOPH mg/ml
Storage	Store lyophilized antibody at 4C in the dark. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Reconstitution Instructions	Reconstitute with 100 ul deionized water (or equivalent)
Isotype	IgG
Conjugate	Biotin
Purity	Multi-step
Buffer	Lyophilized from 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Product Description	
Description	<p>Store vial at 4C prior to restoration. For extended storage aliquot contents and freeze at -20C 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 4C as an undiluted liquid. Dilute only prior to immediate use.</p> <p>This 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>]</p>
Host	Rabbit
Species	Bacteria
Reactivity Notes	Reactive with Penicillinase from <i>E. cloacae</i> . Cross reactivity against Penicillinase from other tissues and species may occur but have not been specifically determined
Specificity/Sensitivity	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum as well as purified and partially purified Penicillinase [ <i>E.clocae</i> ]. Cross reactivity against Penicillinase from other tissues and species may occur but have not been specifically determined.
Immunogen	Penicillinase [ <i>E.clocae</i> ] (Uniprot: P05364)

Product Application Details	
Applications	Western Blot, Dot Blot, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:5000, Immunoprecipitation 1:100, Dot Blot
Application Notes	This product 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 and ABTS (2,2'-azino-bis-[3-ethylbenthiiazoline-6-sulfonic acid]) 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.

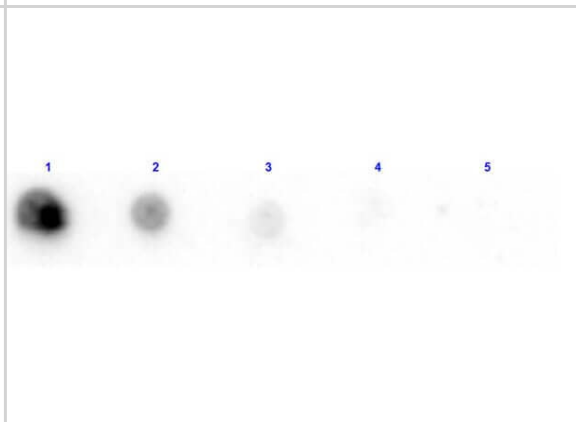


**Images**

Dot Blot: Penicillinase Antibody [Biotin] [NB100-2006] - Dot Blot results of Rabbit Penicillinase antibody [Biotin]. Dots are Penicillinase at (1) 100ng, (2) 33.3ng, (3) 11.1ng, (4) 3.70ng, (5) 1.23ng. Blocking: 30 min at RT. Primary Antibody: Rabbit Anti-Penicillinase Biotin at 1ug/mL for 1hr at RT. Secondary Antibody: Streptavidin-HRP at 1:40,000 for 30min at RT.



Dot Blot results of Rabbit Penicillinase Antibody [Biotin]. Dots are Penicillinase at (1) 100ng, (2) 33.3ng, (3) 11.1ng, (4) 3.70ng, (5) 1.23ng. blocking for 30 min at RT. Primary Antibody: Rabbit Anti-Penicillinase Biotin at 1ug/mL for 1hr at RT. Secondary Antibody: Streptavidin-HRP





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### **Products Related to NB100-2006-0.1mg**

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NBP2-29370	Streptavidin Native Protein
NBP2-24891B	Rabbit IgG Isotype Control [Biotin]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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