

# Product Datasheet

## Penicillin Antibody (Pen-9) [Biotin] NBP3-14083B

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-14083B**

Penicillin Antibody (Pen-9) [Biotin]

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	Pen-9
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Conjugate</b>	Biotin
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	PBS

**Product Description**

<b>Host</b>	Mouse
<b>Species</b>	Non-species specific
<b>Reactivity Notes</b>	Benzylpenicillin
<b>Specificity/Sensitivity</b>	This antibody reacts mainly with the thiazolidine ring of penicillin, but not with the lactam ring. May react with the fused beta lactam/thiazolidine ring of the penicilloyl group and would appear sensitive to modification of the shared N atom of the lactam/thiazolidine ring by substitution or conjugation. It appears insensitive to the structure of the side chain of the penicilloyl group. This antibody reacts with the following penicillin; Benzylpenicillin, Ampicillin, Amoxicillin and 6-Aminopenicillanic acids. Penicillin is a group of Beta-lactam antibiotics used in the treatment of bacterial infections caused by susceptible, usually Gram-positive, organisms. -lactam antibiotics work by inhibiting the formation of peptidoglycan cross-links in the bacterial cell wall, which results in cytolysis. This antibody is useful in the study of allergy to penicillin.
<b>Immunogen</b>	Penicilloyl-transferrin conjugate

**Product Application Details**

<b>Applications</b>	ELISA
<b>Recommended Dilutions</b>	ELISA
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.



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## Products Related to NBP3-14083B

IC002B

Mouse IgG1 Isotype Control (11711) [Biotin]

## 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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