

Product Datasheet

Penicillin Antibody (Pen-9) [DyLight 550] NBP3-14083R

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP3-14083R

Penicillin Antibody (Pen-9) [DyLight 550]

Product Information

Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	Pen-9
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	DyLight 550
Purity	Protein A or G purified
Buffer	50mM Sodium Borate

Product Description

Host	Mouse
Species	Non-species specific
Reactivity Notes	Benzylpenicillin
Specificity/Sensitivity	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.
Immunogen	Penicilloyl-transferrin conjugate
Notes	DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

Product Application Details

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



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Products Related to NBP3-14083R

NBP1-43319R

Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [DyLight 550]

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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