

Product Datasheet

Penicillin Antibody (orb2637087)

Description	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.
Species/Host	Mouse
Reactivity	All
Conjugation	Unconjugated
Tested Applications	ELISA
Immunogen	Penicilloyl-transferrin conjugate was used as the immunogen for the Penicillin antibody.
Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin (US sourced), 0.05% sodium azide
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Application notes	Optimal dilution of the Penicillin antibody should be determined by the researcher.
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide
Isotype	Mouse IgG1, kappa

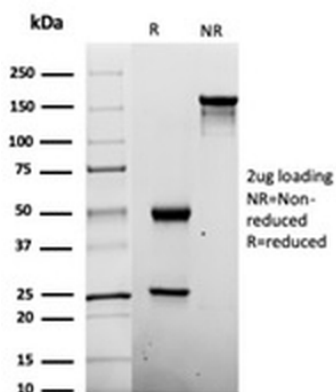
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Clonality	Monoclonal
Clone Number	Pen-9
Purity	Protein A/G affinity
Hazard Information	This Penicillin antibody is available for research use only.
Dilution Range	ELISA: 1-5ug/ml (order BSA-free format for coating)
Expiration Date	12 months from date of receipt.



SDS-PAGE analysis of purified, BSA-free Penicillin antibody (clone Pen-9) as confirmation of integrity and purity.

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