

Mouse Penicillin Monoclonal Antibody

Penicillin (Group of beta-Lactam Antibiotics) Mouse Monoclonal Antibody [Clone Pen-9]

CATALOG # AAA216084	HOST Mouse	REACTIVITY Benzylpenicillin
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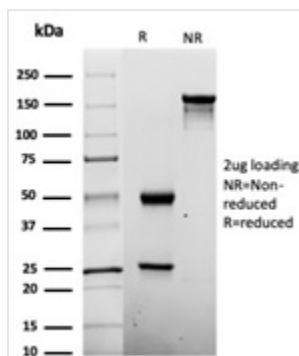
PRODUCT SYNONYMS

Penicillin; Monoclonal Antibody; Penicillin (Group of beta-Lactam Antibiotics) Mouse Monoclonal Antibody [Clone Pen-9]; Penicillin (Group of beta-Lactam Antibiotics); Ampicillin; Benzylpenicillin; PCN; Penicilin; Penicillin G; Phenoxymethylpenicillin; anti-Penicillin antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Benzylpenicillin
Clonality	Monoclonal
Isotype	Mouse/IgG1, kappa
Clone Number	Pen-9
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Immunogen	Penicilloyl-transferrin conjugate
Positive Control	Biotinylated proteins in solution or on tissues
Preparation and Storage	Antibody with azide: store at 2-8°C Antibody without azide: store at -20 to -80°C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



SDS-PAGE

SDS-PAGE Analysis Purified Penicillin Mouse Monoclonal Antibody (Pen-9) Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-Penicillin antibody	This antibody reacts mainly with the hiazolidine 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.
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NCBI AND UNIPROT INFORMATION

Molecular Weight	356 Daltons
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/penicillin-antibody-clone-pen-9-elisa/216084>