

## Penicillin (Group of beta-Lactam Antibiotics) Antibody

Mouse Monoclonal Antibody [Clone Pen-9]

Catalog No	Format	Size
MSM1-231-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
MSM1-231-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
MSM1-231-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

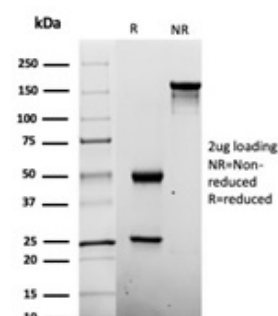
Applications	Tested Dillution	Note
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### Product Details

<b>Clone</b>	Pen-9
<b>Immunogen</b>	Penicilloyl-transferrin conjugate
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	356 Daltons
<b>Cellular Localization</b>	N/A
<b>Species Reactivity</b>	Benzylpenicillin
<b>Positive Control</b>	Biotinylated proteins in solution or on tissues

\*Optimal dilution for a specific application should be determined.

### Product Images for Penicillin (Group of beta-Lactam Antibiotics) Antibody



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

### Specificity & Comments

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.

### Supplied As

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.

### Storage and Stability

Antibody with azide store at 2 to 8 °C. Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.