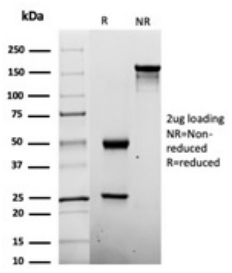
Penicillin Antibody [clone Pen-9] (V8979)

Catalog No.	Formulation	Size
V8979-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V8979-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V8979SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Species independent
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	Pen-9
Purity	Protein A/G affinity
UniProt	Not Applicable
Applications	ELISA: 1-5ug/ml (order BSA-free format for coating)
Limitations	This Penicillin antibody is available for research use only.



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

Description

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.

Application Notes

Optimal dilution of the Penicillin antibody should be determined by the researcher.

Immunogen

Penicilloyl-transferrin conjugate was used as the immunogen for the Penicillin antibody.

Storage

Aliquot the Penicillin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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