

Datasheet



Mouse mAb to **Penicillin**
Clone **Pen 9**
Isotype **IgG1-κ**

Source

Pen 9 was raised in a BALB/c mouse against the benzylpenicilloyl group of penicillium, using a penicilloyl-protein (transferrin) conjugate.
Fusion partner: X63-Ag8.653.

Specifications

Pen 9 reacts mainly with the thiazolidin ring of penicillin, but not with the lactam ring. The nature of the side chain in the penicilloyl group does not affect antibody binding as was shown by testing Pen 9 against benzylpenicillin, ampicillin, amoxillin and 6-aminopenicillanic acid. The presence of carrier protein is not essential for the presentation of the antigen associated with Pen 9.

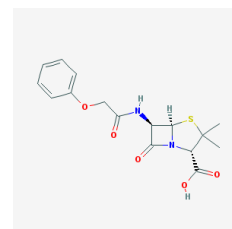


Figure 1: Molecular structure of penicillin V

Applications

Study of allergy to penicillin.

ELISA
+

Format

Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and presented in PBS with 0,02% sodium azide.

Stored at 4°C-8°C, shelf life is at least 24 months after purchase.

Dilution advice

- ELISA (solid phase: not known; tracer: 0.001-100 µg/ml for 30 min at RT).

Positive control

Penicillin.

References

- P. de Haan et al., Int. Archs Allergy appl. Immun. 76: 42-46 (1985).