

Product datasheet

anti-Penicillin mouse monoclonal, Pen 9, purified

Short overview

Cat. No.	691714
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1 kappa
Clone	Pen 9
Immunogen	Benzylpenicilloyl group of penicillium, using a penicilloyl-protein (transferrin) conjugate
Formulation	PBS with 0.02% sodium azide
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	ELISA
Reactivity	Penicillin

Applications

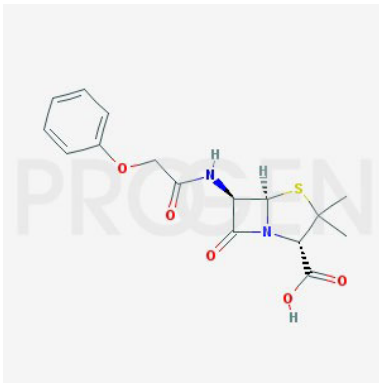
ELISA	Assay dependent
--------------	-----------------

Background

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.

Positive control: Penicillin.

Product images



Penicillin (molecular structure)