

Product datasheet for **BM2093**

Penicillin (incl. BSA conjugate) Mouse Monoclonal Antibody [Clone ID: CH-2011]

Product data:

Product Type:	Primary Antibodies
Clone Name:	CH-2011
Applications:	ELISA, R
Recommended Dilution:	ELISA: A standard dilution of 1/1,500 is recommended. Sensitivity of approximately 50 pg/ml Penicillin, 100 pg/mL Cloxacillin and 200 pg/mL Ampicillin, Amoxicillin and hetacillin when used with the included conjugate.
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody reacts with Penicillins G, V, N, Ampicillin, Amoxicillin, Hetacillin, Cloxacillin, and other antibiotics with penicillanic acid core. Much higher affinity for hydrolyzed (open) beta-lactam ring than closed ring. Does not react with beta-lactams with cephalosporanic acid core, other classes of antibiotics, or milk and serum proteins.
Formulation:	PBS State: Ascites State: Liquid Diluted Ascites Preservative: 0.05% Sodium Azide
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Background:	Penicillin is a group of Beta-lactam antibiotics used in the treatment of bacterial infections caused by susceptible, usually Gram-positive, organisms. β -lactam antibiotics work by inhibiting the formation of peptidoglycan cross-links in the bacterial cell wall, which results in cytolysis.



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Note:**Includes BSA conjugated Control****Format:** Purified, liquid**Buffer:** PBS containing 0.05% sodium azide**Application:** Suggested standard dilution is 1/1,500 in ELISA.