

**BM2093****Monoclonal Antibody to Penicillin (incl. BSA conjugate) - Ascites**

<b>Quantity:</b>	1 ml
<b>Background:</b>	Penicillin is a group of Beta-lactam antibiotics used in the treatment of bacterial infections caused by susceptible, usually Gram-positive, organisms. $\beta$ -lactam antibiotics work by inhibiting the formation of peptidoglycan cross-links in the bacterial cell wall, which results in cytolysis.
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	CH-2011
<b>Format:</b>	<b>State:</b> Liquid Diluted Ascites <b>Buffer System:</b> PBS <b>Preservatives:</b> 0.05% Sodium Azide
<b>Applications:</b>	<b>ELISA:</b> 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. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	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.
<b>Add. Information:</b>	<b><u>Includes BSA conjugated Control</u></b> <b>Format:</b> Purified, liquid <b>Buffer:</b> PBS containing 0.05% sodium azide <b>Application:</b> Suggested standard dilution is 1/1,500 in ELISA.
<b>Storage:</b>	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.