

Monoclonal Antibody to Ceftiofur (incl. BSA conjugate) - Ascites

Catalog No.:	BM2101
Quantity:	1 ml
Background:	Ceftiofur, a semisynthetic cephalosporin, is a broad-spectrum antibiotic against both Gram-positive and Gram-negative bacteria including beta-lactamase-producing bacterial strains and anaerobes. Its antibacterial activity results from the inhibition of mucopeptide synthesis in the cell wall in a similar fashion to other cephalosporins. Ceftiofur is used in the treatment of respiratory infections in cattle and pigs.
Host / Isotype:	Mouse / IgG1
Clone:	CH-2034
Format:	State: Liquid diluted ascites Buffer System: PBS as buffer, containing 0.05 % Sodium azide as preservative.
Applications:	ELISA (suggested dilution: 1:1,500). Sensitivity is approximately 100 pg/ml when used with included conjugated control. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts with Ceftiofur. Does not react with desfuroylceftiofur (ceftiofur with cleaved thioester), other beta-lactam antibiotics such as cephalosporin C, cephapirin, or penicillin, other classes of antibiotics, or milk and serum proteins.
Storage:	Store the antibody undiluted at -20 °C. Avoid repeated freezing and thawing. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf life: one year from despatch.
Protocols:	Includes BSA Conjugated Control Format: Purified, Liquid Buffer: PBS, containing 0.05 % Sodium azide Application: A standard dilution of 1:1,500 is suggested in ELISA