



Anti-Ceftiofur polyclonal antibody (DPAB27696)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Sheep Anti-Ceftiofur Polyclonal Antibody
Target	Ceftiofur
Immunogen	Ceftiofur-BSA
Source/Host	Sheep
Species Reactivity	N/A
Conjugate	Unconjugated
Applications	EIA, IA, ELISA, WB, Dot, IHC
Format	Ig fraction
Concentration	5.99mg/ml
Buffer	20mM Phosphate, 150mM Sodium Chloride, pH 7.2
Preservative	0.09% Sodium Azide
Storage	-20°C, avoid repeated freeze/thaw cycles

BACKGROUND

Introduction	Ceftiofur is an antibiotic of the cephalosporin type (third generation), licensed for use in veterinary medicine. It was first described in 1987. It is marketed by pharmaceutical company Pfizer as Excede. It is resistant to the antibiotic resistance enzyme beta-lactamase, and has activity against Gram-positive and Gram-negative bacteria. E. coli strains resistant to ceftiofur
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have been reported. 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.

Keywords

Anti-Ceftiofur MAb; Murine Anti-Ceftiofur Monoclonal Antibody; Ceftiofur; (6R,7R)-7-[[(2Z)-2-(2-Amino-1,3-thiazol-4-yl)- 2-methoxyiminoacetyl]amino]-3-(furan-2- carbonylsulfanylmethyl)-8-oxo-5-thia-1- azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid; CEFTIOF
