



Mouse Anti-Chlortetracycline monoclonal antibody, clone CTC (CABT-L2386)

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

PRODUCT INFORMATION

Specificity	Chlortetracycline
Immunogen	Chlortetracycline with carrier protein
Isotype	IgG
Source/Host	Mouse
Species Reactivity	N/A
Clone	CTC
Purification	Purified from mouse ascites.
Conjugate	Unconjugated
Applications	ELISA, LFIA
Format	Liquid
Concentration	Lot specific
Size	1 mg
Buffer	PBS
Preservative	None
Storage	-20°C. Avoid Freeze/Thaw Cycles

BACKGROUND

Introduction

Tetracycline is a broad spectrum polyketide antibiotic produced by the Streptomyces genus of Actinobacteria. It exerts a bacteriostatic effect on bacteria by binding reversible to the bacterial 30S ribosomal subunit and blocking incoming aminoacyl tRNA from binding to the ribosome acceptor site. It also binds to some extent to the bacterial 50S ribosomal subunit and may alter the cytoplasmic membrane causing intracellular components to leak from bacterial cells.

Keywords

Tetracycline;Chlortetracycline;Sumycin