



Anti-Vancomycin monoclonal antibody, clone WBO2 (DMABT-54924MV)

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

PRODUCT INFORMATION

Product Overview	Mouse Anti Vancomycin monoclonal antibody
Specificity	DMABT-54924MV recognises Vancomycin, a glycopeptides antibiotic used to treat serious infections caused by Gram-positive bacteria. It is traditionally used as a last resort, for infections that are unresponsive to other, less toxic, antibiotics. Possible side effects include severe local pain and thrombocytopenia amongst others.
Isotype	IgM
Source/Host	Mouse
Species Reactivity	Chemical
Clone	WBO2
Conjugate	Unconjugated
Applications	IA
Preparation	Purified IgG prepared by size exclusion chromatography
Format	Purified IgG - liquid
Concentration	IgG concentration 1.0mg/ml
Size	1 mg
Buffer	Phosphate buffered saline
Preservative	0.05% Sodium Azide

Storage

Store at +4 °C or at -20 °C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

BACKGROUND

Introduction

Until recently, Vancomycin was one of the most powerful antibiotics that no bacterial cell had resistance to. Vancomycin is a very successful glycopeptide antibiotic, attacking the D alanyl D alanine component of the cell wall. By binding to the D alanyl D alanine component, Vancomycin is able to interrupt the normal cell wall formation. However, recently cells have achieved resistance to vancomycin. The reason that the resistance is so effective is that these cells have modified the D alanyl D alanine components of the cell wall into D alanyl D lactate components. Although this may sound easy, the actual process involves a series of five or more genes.

Keywords

ARMAPE; MOUSE PAI-1; MOUSE PLASMINOGEN ACTIVATOR INHIBITOR-1; PAI-1; PAI-1, HUMAN; PAI-1, MOUSE; PAI-1, MUTANT, MOUSE; PAI-1, RAT; PLASMINOGEN ACTIVATOR INHIBITOR-1, HUMAN; PLASMINOGEN ACTIVATOR INHIBITOR-1, HUMAN, RECOMBINANT; PLASMINOGEN ACTIVATOR INHIBITOR 1; PLASMINOGEN ACTIVATOR INHIBITOR-1, MUTANT, MOUSE; PLASMINOGEN ACTIVATOR INHIBITOR-1, MUTANT, MOUSE, RECOMBINANT; PLASMINOGEN ACTIVATOR INHIBITOR-1, RAT; PLASMINOGEN ACTIVATOR INHIBITOR-1, RAT, RECOMBINANT; Vancomycin
