



Vancomycin [HSA-Biotin] (DAG465S)

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

PRODUCT INFORMATION

Antigen Description	Vancomycin, covalently linked to biotinylated human serum albumin
Nature	Synthetic
Expression System	N/A
Species	N/A
Purity	chromatography, dialysis
Conjugate	HSA-Biotin
Applications	e.g. allergy test, immunoassays etc.
Molecular Weight	app. 65 kDa
Procedure	None
Format	Liquid
Concentration	1 mg/mL, conjugation ratio is app. 1:10 - 1:40.
Size	1 mg
Buffer	PBS
Preservative	0.05% sodium azide
Storage	Store at 4°C.
Warnings	For research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals.

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

drug-HSA-Biotin conjugate, drug-conjugate, vancomycin HSA-Biotin conjugate