



Vancomycin [HSA] (DAG152S)

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

PRODUCT INFORMATION

Antigen Description	Vancomycin, covalently linked to human serum albumin
Species	N/A
Purity	chromatography, dialysis
Conjugate	HSA
Applications	e.g. allergy test, immunoassays etc.
Molecular Weight	app. 65 kDa
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.

BACKGROUND

Introduction	<p>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</p>
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components. Although this may sound easy, the actual process involves a series of five or more genes.

Keywords

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