



Anti-Amikacin monoclonal antibody, clone BN2 (DCABY-630)

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

PRODUCT INFORMATION

Specificity	This antibody recognises Amikacin, an aminoglycoside antibiotic.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Chemical
Clone	BN2
Conjugate	Unconjugated
Applications	Immunoassay
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Format	Purified IgG - liquid
Size	1 mg
Buffer	Phosphate buffered saline
Preservative	None
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

Amikacin is an aminoglycoside antibiotic used to treat different types of bacterial infections. Amikacin works by binding to the bacterial 30S ribosomal subunit, causing misreading of mRNA and leaving the bacterium unable to synthesize proteins vital to its growth.

Keywords

Amikacin; (2S)-4-amino-N-[(2S,3S,4R,5S)-5-amino-2-[(2S,3R,4S,5S,6R)-4-amino-3,5-dihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-4-[(2R,3R, 4S,5R,6R)-6-(aminomethyl)-3,4,5-trihydroxy-oxan-2-yl]oxy-3-hydroxy-cyclohexyl]-2-hydroxy-butanamide; 1-n-(l(-)-gamma-amino-alpha-hydroxybutyryl)kanamycina; amicacin; amiglyde-v; antibioticbb-k8