



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

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

## PRODUCT INFORMATION

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

<b>Introduction</b>	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.
<b>Keywords</b>	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-

