



# Magic™ Anti-C. difficile Toxin B Monoclonal antibody, Clone N0622425 (DCABY-4701)

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

## PRODUCT INFORMATION

Specificity	Clostridium difficile
Target	C. difficile Toxin B
Immunogen	Clostridium difficile toxin B antibody was raised in mouse using toxin B of Clostridium difficile as the immunogen.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	C. difficile
Clone	N0622425
Conjugate	Unconjugated
Applications	ELISA (Det), LFIA
Format	Liquid
Size	200 µg
Buffer	Protein A purified and supplied in PBS, pH 7.2, with 0.1% NaN <sub>3</sub> .
Preservative	0.1% Sodium Azide
Storage	Store at 4 °C for short term storage. Aliquot and store at -20 °C for long term storage. Avoid repeated freeze/thaw cycles.

## BACKGROUND

**Introduction**

Clostridium difficile, also known as "CDF/cdf", or "C. diff", is a species of Gram-positive bacteria of the genus Clostridium that causes diarrhea and other intestinal disease when competing bacteria in the gut flora are wiped out by antibiotics. Clostridium difficile Toxin B (tcdB or ToxB) is a glucosyltransferase which is known to inactivate Rho, Cdc42 and Rac within target cells. This toxin is encoded on a pathogenicity region of the C. difficile chromosome and is expressed during the log and stationary phases of growth in response to a variety of environmental stimuli.

**Keywords**

Clostridium difficile toxin B; C. difficile toxin B;