



# Goat Anti-C. Difficile Toxin B Polyclonal antibody (CABT-RM273)

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

## PRODUCT INFORMATION

Specificity	Clostridium difficile Toxin B
Target	C. Difficile Toxin B
Immunogen	Purified C. difficile Toxin B
Source/Host	Goat
Species Reactivity	C. Difficile
Purification	Immunoaffinity Purified
Conjugate	unconjugated
Applications	ELISA
Format	Liquid
Concentration	7.3 mg/mL
Size	1 mg
Buffer	Phosphate Buffered Saline, pH 7.2
Preservative	0.1% Sodium Azide
Storage	Store at <-70°C.

## BACKGROUND

**Introduction**

Clostridium difficile toxin B is a toxin produced by the bacteria Clostridium difficile. Toxin B (TcdB) is a cytotoxin that has a molecular weight of 270 kDa and an isoelectric point, pI, of 4.1. Toxin B has four different structural domains: catalytic, cysteine protease, translocation, and receptor binding. The N-terminal glucosyltransferase catalytic domain includes amino acid residues 1–544 while the cysteine protease domain includes residues 545–801. Additionally, the translocation region incorporates amino acid residues from 802 to 1664 while the receptor binding region is part of the C-terminal region and includes amino acid residues from 1665 to 2366.

**Keywords**

C. difficile Toxin B; Clostridium difficile Toxin B; Cytotoxin B; toxB; Toxin B; C. difficile TcdB protein; Clostridium difficile Toxin B protein; Toxin B protein; C. difficile TcdB; TcdB