



Mouse Anti-E. coli LT B chain Monoclonal antibody, clone C333N (CABT-RM279)

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

PRODUCT INFORMATION

Specificity	E. coli heat-labile Enterotoxin B-chain.
Target	E. coli LT B chain
Immunogen	Recombinant E. coli heat-labile Enterotoxin B-chain (LTB), full-length.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	E. coli
Clone	C333N
Purification	> 80% pure (SDS-PAGE). Purified by salt precipitation.
Conjugate	unconjugated
Applications	ELISA, WB
Format	Liquid
Concentration	7.0 mg/mL
Size	1 mg
Buffer	Phosphate Buffered Saline, pH 7.4
Preservative	0.09% Sodium Azide
Storage	Store at 2-8°C.

BACKGROUND

Introduction

The heat-labile enterotoxin family includes *Escherichia coli* heat-labile enterotoxin (Elt) and cholera toxin (Ctx) secreted by *Vibrio cholerae*. The A subunit are transported inside by the pentameric B subunits. It then acts by raising cAMP levels through ADP-ribosylation of the alpha-subunit of a Gs protein leading to the constitutive activation of adenylate cyclase. Elevated cAMP levels stimulate the activation of the CFTR channel thus stimulating secretion of chloride ions and water from the enterocyte into the gut lumen. This ionic imbalance causes watery diarrhea.

Keywords

heat-labile Enterotoxin; heat-labile Enterotoxin B chain; LT B chain; *E. coli* LT B chain; *E. coli* LT; *E. coli*