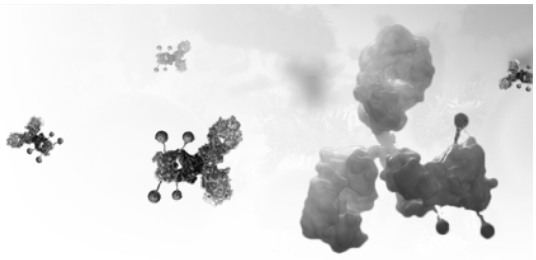

Mouse Anti-E.coli LT subunit A Monoclonal antibody, clone FD12 (CABT-CS103)

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

PRODUCT INFORMATION

Specificity	Reacts with subunit A of E. coli LT toxin and V. Cholera CT toxin.
Target	E.coli LT subunit A
Immunogen	Crude extract of Escherichia coli (ETEC LT+) cells
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	E. coli, V. Cholera
Clone	FD12
Purification	Affinity-purified with Protein A/G mix
Conjugate	unconjugated
Applications	WB, ELISA
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	PBS, 50% glycerol
Preservative	None
Storage	Ship at 4°C and store at -20°C. Do not freeze.

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BACKGROUND

Introduction	Pathogenic Escherichia coli is one of the major causative agents of food poisoning. One group of them, enterotoxigenic E. coli (ETEC) produces some toxins. Heat labile enterotoxin (LT) produced by ETEC is similar to cholera toxin (CT). The identity of the amino acid sequences of LT and CT is about 80% and both toxins are consist of one subunit A and five subunit B. LT continuously activates adenylate cyclase and elevated level of cAMP inhibits absorption of Na+ by intestinal villi cells, and stimulates secretion of Cl- by villi and crypt cells, thus causing diarrhea. Subunit A possesses signal peptide of the amino acids 1-18, and the mature form consists of 19-258 amino acids (MW: 28.8 kDa). Subunit B has signal peptide of 1-21, and the mature form consists of 22-124 amino acids (MW: 11.8 kDa). The holotoxin MW is 86.4 KDa.
Keywords	E.coli LT subunit A; E. coli Labile Toxin; E.coli LT; LTA; E.coli LTA

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