

CTXB beta subunit Cholera Toxin Antibody FITC Conjugated

Catalog No: #C02148F

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Description

Product Name	CTXB beta subunit Cholera Toxin Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	ICC IF
Species Reactivity	Cholera Toxin
Crossing Reactivity	Cholera Toxin Subunit B
Immunogen Description	KLH conjugated synthetic peptide derived from CTXB beta subunit Cholera Toxin
Conjugates	FITC
Target Name	CTXB beta subunit Cholera Toxin
Other Names	Cholera enterotoxin B chain; Cholera enterotoxin beta chain; Cholera enterotoxin gamma chain; Cholera enterotoxin subunit B; Cholera toxin B protein; Choleragenoid; CTX B; CTXB; TOX B; TOXB; VC1456; CHTB_VIBCH.
Accession No.	NCBI Gene ID2613962
GeneID	2613962
Excitation Emission	494nm 518nm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

ICC=1:50-200 IF=1:50-200

Background

The B subunit of cholera toxin (CtxB) binds to a GM1-ganglioside receptor, a ubiquitous glycolipid cell surface receptor. This binding is widely accepted to initiate toxin action by triggering uptake and delivery of the toxin A subunit into cells. The beta chain has no toxic activity by itself. The holotoxin consists of a pentameric ring of B subunits whose central pore is occupied by the A subunit. The A subunit contains two chains, A1 and A2, linked by a disulfide bridge. The A subunit (and Cholera toxin) activates the adenylate cyclase enzyme in cells of the intestinal mucosa leading to increased levels of intracellular cAMP.

Note: This product is for in vitro research use only