

CTXB beta subunit Cholera Toxin Antibody Cy3 Conjugated

Catalog No: #C02148Cy3

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Description

| | |
|-----------------------|--|
| Product Name | CTXB beta subunit Cholera Toxin Antibody Cy3 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 | Cy3 |
| 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 ID:2613962 |
| GeneID | 2613962 |
| Excitation Emission | 512,550nm 570,615nm |
| 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