

## Product datasheet for **BP2193**

### VC1456 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IP
Recommended Dilution:	ELISA: Titer: >1:1,000. Also suitable for conjugation purposes. Immunoprecipitates toxin in gel techniques.
Reactivity:	Vibrio cholerae
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Purified choleraenoid.
Specificity:	Beta subunit of Cholera toxin.
Formulation:	0.01M PBS, pH 7.2 with 0.09% sodium azide as preservative. State: Purified State: Liquid purified Ig fraction (>95% pure) .
Concentration:	lot specific
Purification:	Protein A chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody at 2-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	<a href="#">P01556</a>
Background:	<p>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.</p> <p>The A subunit (and Cholera toxin) activates the adenylate cyclase enzyme in cells of the intestinal mucosa leading to increased levels of intracellular cAMP.</p>



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**Synonyms:** Cholera enterotoxin B chain, Cholera enterotoxin gamma chain, Cholera toxin B subunit, CTxB, CTX, CTX-B, VC\_1456