

Datasheet: 2060-0020

BATCH NUMBER 173778

Description:	RABBIT ANTI CHOLERA TOXIN BETA
Specificity:	CHOLERA TOXIN BETA
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	■			
Immunoprecipitation			■	
Immunodiffusion	■			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species	Bacterial
Product Form	Purified Ig - liquid
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 5.0 mg/ml
Immunogen	Purified cholera toxin.
External Database Links	UniProt: P01556 Related reagents

Synonyms	toxB
RRID	AB_619362
Specificity	Rabbit anti cholera toxin beta antibody recognizes the beta subunit of cholera toxin. The beta subunit of cholera toxin binds to a GM1-ganglioside receptor which is widely accepted to initiate toxin action by triggering uptake and delivery of the toxin alpha subunit into cells. The holotoxin consists of a pentameric ring of beta subunits whose central pore is occupied by the alpha subunit. The alpha subunit contains two chains, A1 and A2, linked by a disulfide bridge. The alpha subunit (and cholera toxin) activates the adenylate cyclase enzyme in cells of the intestinal mucosa leading to increased levels of intracellular cAMP.
References	1. Thangawng, A.L. <i>et al.</i> (2010) A hard microflow cytometer using groove-generated sheath flow for multiplexed bead and cell assays. Anal Bioanal Chem. 398: 1871-81. 2. Becker, P.M. <i>et al.</i> (2010) Inhibition of binding of the AB5-type enterotoxins LT-I and cholera toxin to ganglioside GM1 by galactose-rich dietary components. Foodborne Pathog Dis. 7: 225-33.
Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10303 available at: https://www.bio-rad-antibodies.com/SDS/2060-0020
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M449742:260213'

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