

Datasheet: 2060-0020

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	4.0 mg/ml
Immunogen	Purified choleraenoid.
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. *et al.* (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. *et al.* (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

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@680](#), [DyLight@800](#)

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'M362966:200528'

Printed on 11 Aug 2020