**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**

<table>
<thead>
<tr>
<th>RRID</th>
<th>AB_619362</th>
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**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](http://www.bio-rad-antibodies.com/protocols).

<table>
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<tr>
<th>Technique</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tr>
<td>ELISA</td>
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<td>Immunoprecipitation</td>
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<td>Immunodiffusion</td>
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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 (NaN₃)

**Approx. Protein Concentrations**  
4.0 mg/ml

**Immunogen**  
Purified cholera/agent.

**External Database Links**  
UniProt: [P01556](https://www.uniprot.org/uniprot/P01556)  
Related reagents

**Synonyms**  
toxB

**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

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.

Shelf Life
18 months from date of despatch.

Health And Safety Information
Material Safety Datasheet documentation #10303 available at:

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®549, DyLight®649, DyLight®680, DyLight®800
Sheep Anti Rabbit IgG (2AB02...) Biotin