Datasheet: 2060-0040

Description: RABBIT ANTI CHOLERA TOXIN:HRP

Specificity: CHOLERA TOXIN BETA

Format: HRP

Product Type: Polyclonal Antibody

Isotype: Polyclonal IgG

Quantity: 1 ml

Product Details

RRID AB_619932

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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>ELISA</td>
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<td>1/200 - 1/1000</td>
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<tr>
<td>Western Blotting</td>
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<td>1/20 - 1/200</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 IgG conjugated to Horseradish Peroxidase (HRP) - liquid

Buffer Solution: Phosphate buffered saline

Preservative Stabilisers: 0.002% Thiomersal, 1% Bovine Serum Albumin

Approx. Protein Concentrations: 1.0 mg/ml

Immunogen: Purified choleraigenoid.

External Database Links

UniProt: P01556

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 #10095 available at:

Regulatory
For research purposes only

Related Products

Recommended Useful Reagents
AbGUARD® HRP STABILIZER PLUS (BUF052A)
AbGUARD® HRP STABILIZER PLUS (BUF052B)
AbGUARD® HRP STABILIZER PLUS (BUF052C)
TMB CORE (BUF056A)
TMB CORE+ (BUF062A)
TMB SIGNAL+ (BUF054A)