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Datasheet for ABIN576690

anti-Cholera Toxin antibody (Subunit beta) (HRP)

Overview

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| Quantity: | 1 mL |
| Target: | Cholera Toxin |
| Binding Specificity: | Subunit beta |
| Reactivity: | Vibrio cholerae |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Cholera Toxin antibody is conjugated to HRP |
| Application: | ELISA, Western Blotting (WB) |

Product Details

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| Immunogen: | Purified Choleraenoid. Type of Immunogen: Purified protein |
| Specificity: | 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. |
| Purification: | Purified |

Target Details

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| Target: | Cholera Toxin |
| Alternative Name: | Cholera Toxin (Cholera Toxin Products) |

Application Details

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| Application Notes: | Approved: ELISA (1:200 - 1:1000), WB (1:20 - 1:200) Usage: The applications listed have been tested for the unconjugated form of this product. Other forms have not been tested. |
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| Comment: | Target Species of Antibody: <i>Vibrio cholerae</i> |
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| Restrictions: | For Research Use only |
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Handling

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| Format: | Liquid |
| Concentration: | Lot specific |
| Buffer: | PBS, pH 7.2, 0.002 % Thimerosal, 1 % BSA. |
| Preservative: | Thimerosal (Merthiolate) |
| Precaution of Use: | This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C, -20 °C |
| Storage Comment: | 4°C or -20°C, Avoid freeze-thaw cycles. |