Datasheet for ABIN1381702

anti-Botulinum Neurotoxin Type B (BoNT/B) antibody

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Overview

Quantity:	0.1 mg
Target:	Botulinum Neurotoxin Type B (BoNT/B)
Reactivity:	Clostridium botulinum
Host:	Chicken egg
Application:	ELISA, Western Blotting (WB)

Product Details

Characteristics:	Chickens were immunized with highly purified Botulinum Neurotoxin Type B (Clostridium botulinum). After multiple immunizations in Freund's adjuvant, eggs were collected and the IgY purified. Anti-Botulinum Neurotoxin Type B was immunoaffinity purified using the immunogen immobilized on a solid support.
Purification:	egg yolk-derived purified IgY, affinity purified

Target Details

Target:	Botulinum Neurotoxin Type B (BoNT/B)
Alternative Name:	Neurotoxin Type B (BoNT/B Products)
Target Type:	Bacteria

Application Details

Application Notes:	This antibody is suitable for ELISA and Western Blotting procedures. For direct ELISA, a 1:66,000 dilution detects Botulinum HccB and a 1:42,000 dilutions detects Clostridium

Application Details

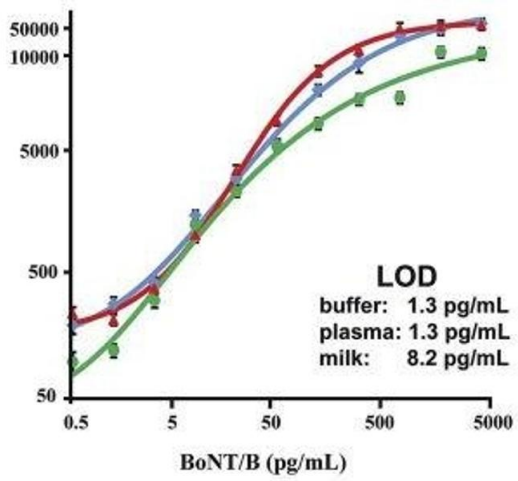
	botulinum Type B (BTB). For Western blot, the recommended dilution is between 1:1000 and 1:2000. Optimal working dilutions should be determined for your particular assay conditions.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	2.0 mg/ml
Buffer:	Phosphate Buffered Saline (PBS), pH 7.2
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C

Publications

Product cited in:	Garifullina, Shen: "High-throughput fabrication of high aspect ratio Ag/Al nanopillars for optical detection of biomarkers." in: **Journal of materials chemistry. B**, (2021) (PubMed). Funari, Chu, Shen: "Detection of antibodies against SARS-CoV-2 spike protein by gold nanospikes in an opto-microfluidic chip." in: **Biosensors & bioelectronics**, Vol. 169, pp. 112578, (2020) (PubMed).



ELISA

Image 1. Standard curves for the simultaneous detection of the toxins in buffer, milk and plasma using an ELISA protein microarray. Error bars refer to the standard deviations of four microarray replicates. Source: PMID25112421

