

AM31421AF-N**Monoclonal Antibody to Botulinum neurotoxin type A
(1280-1292) - Azide Free**

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| Alternate names: | BOTOX, BoNT/A, Bontoxilysin-A, Clostridium botulinum Toxin A |
| Quantity: | 1 ml |
| Uniprot ID: | P10845 |
| NCBI: | 1491 |
| Host / Isotype: | Mouse / IgM |
| Clone: | B364M |
| Immunogen: | Synthetic peptide analogue of the Carboxyl terminal region of <i>C. botulinum</i> Toxin A Remarks: Source: Culture |
| Format: | State: Liquid purified Culture Supernatant. Product is sterile filtered. |
| Applications: | ELISA. Immunofluorescence. Radioimmunoassay. Suitable for use in an indirect Immunocytochemical staining procedure at a dilution of 1/25. Prior incubation of the antibody with synthetic peptide immunogen has been shown to eliminate the inhibition of cellular binding by the antibody. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Specificity: | Binds to intact whole <i>C. botulinum</i> Toxin A, amino acids 1280-1292. Has been found to stain Neuro2A cells treated with GT1b ganglioside prior to the addition of <i>C. botulinum</i> Toxin A. Inhibits the entry of <i>C. botulinum</i> Toxin A to Neuro2A cells treated with GT1b ganglioside prior to the addition of the toxin. <u>Cross-reactivity:</u> <i>C. botulinum</i> Toxin A (1280-1292): 100% <i>C. botulinum</i> Toxin A: 100% <i>C. botulinum</i> Toxin B: 0% <i>C. botulinum</i> Toxin C: 0% <i>C. botulinum</i> Toxin E: 0% <i>C. botulinum</i> Toxin F (1272-1280): 0% |
| Storage: | Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch. |