Supplemental Materials: Development and Characterization of Monoclonal Antibodies to Botulinum Neurotoxin Type E

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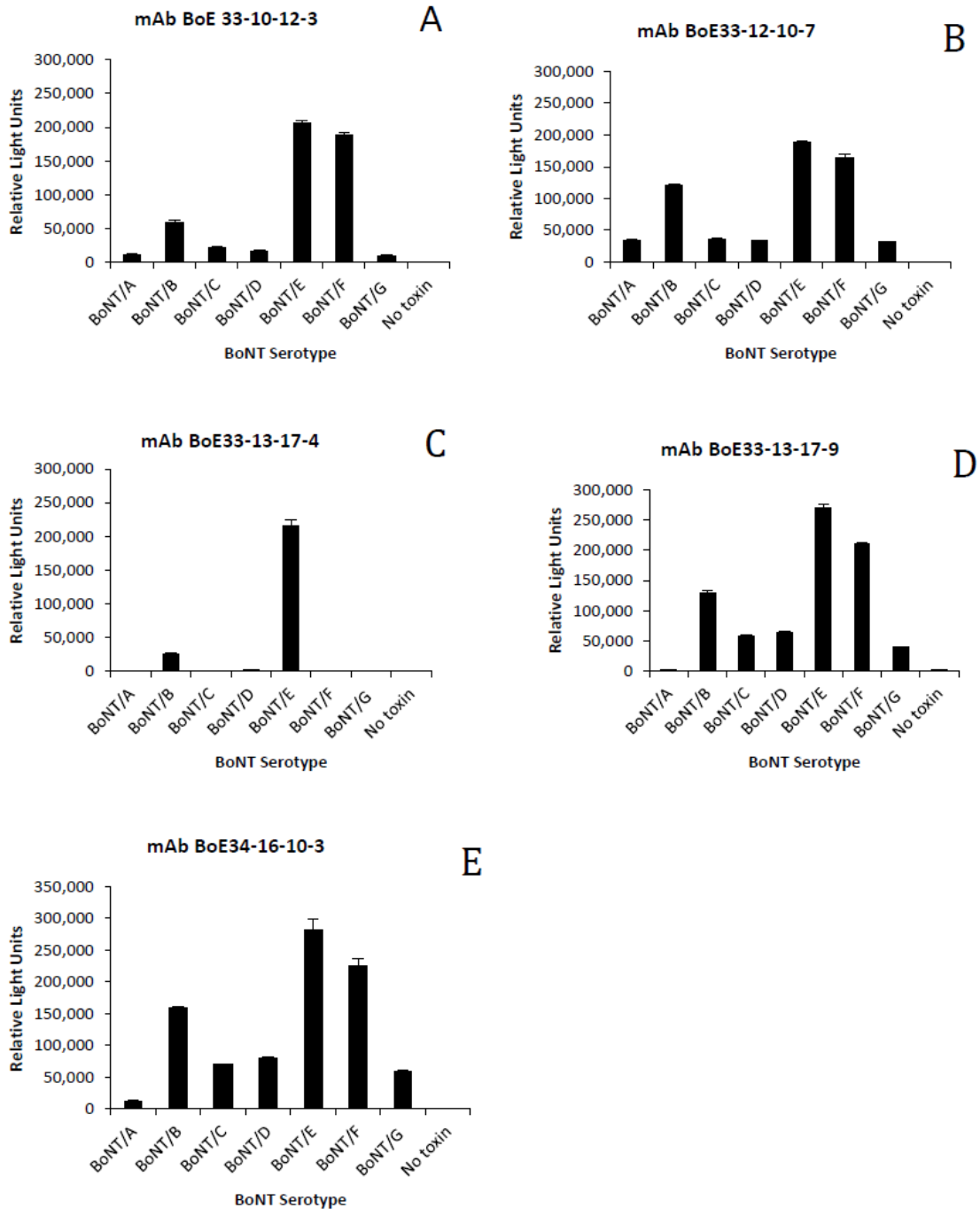


Figure S1. Binding of Lc-Specific anti-BoNT/E mAbs (10 µg/mL) to Toxin Serotypes A–G, used as coating antigens in a direct binding ELISA. Different antibodies are shown in A–E. Each bar is an average of triplicate analysis. Binding activity was determined by chemiluminescence intensity.

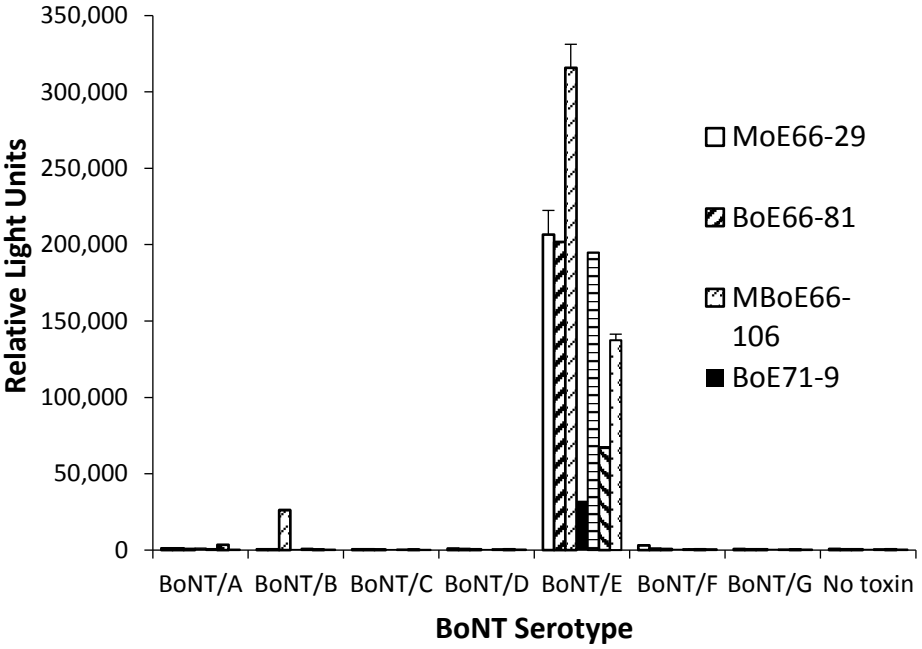
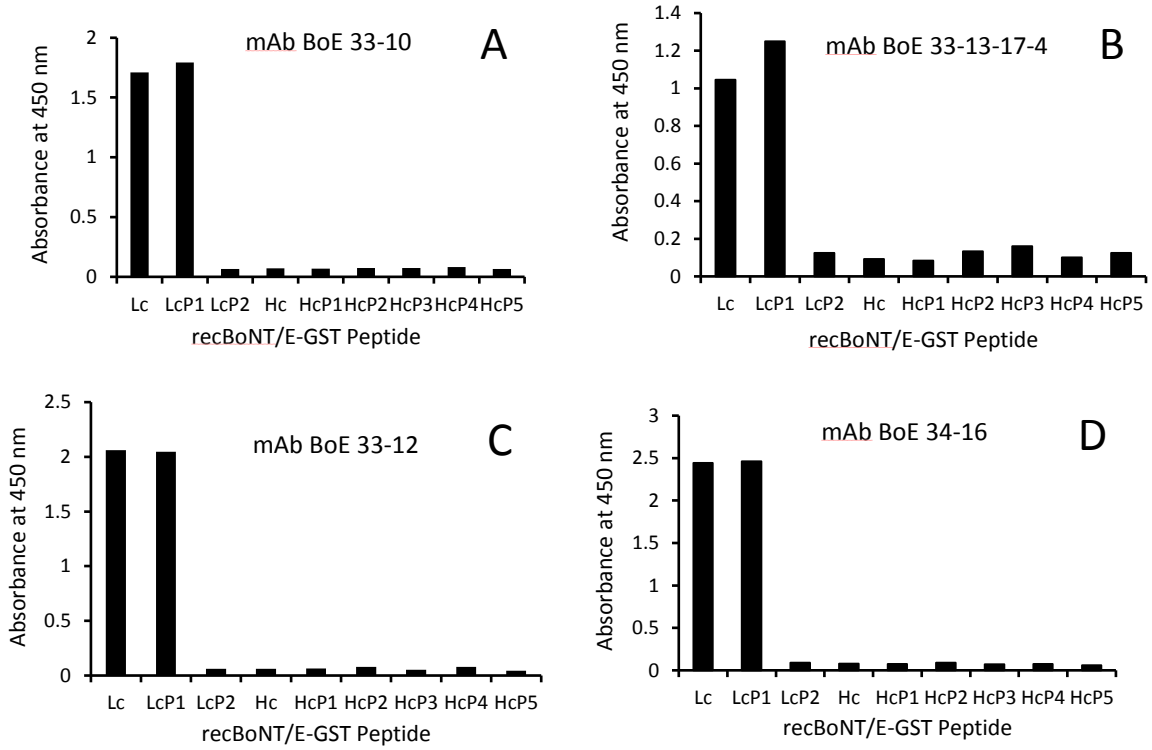


Figure S2: Binding of Hc-Specific anti-BoNT/E mAbs (10 µg/mL) to Toxin Serotypes A-G, used as coating antigens in a direct binding ELISA. Each bar is an average of triplicate analysis. Binding activity was determined by chemiluminescence intensity.



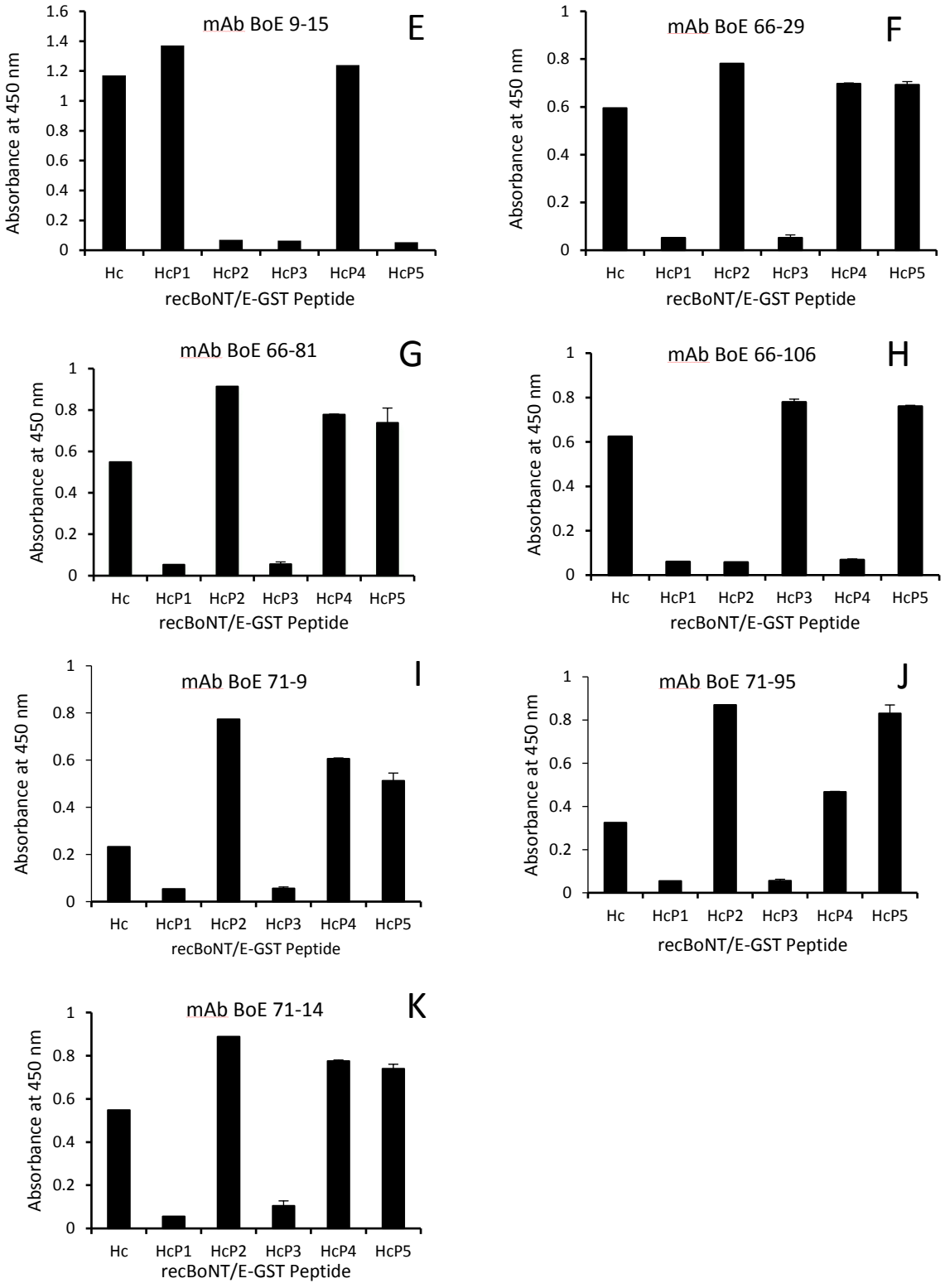


Figure S3: Direct binding ELISA of anti-BoNT/E mAbs to recombinant peptide fragments. Different antibodies are shown in A-K. Binding activity was determined as colorimetric absorbance.

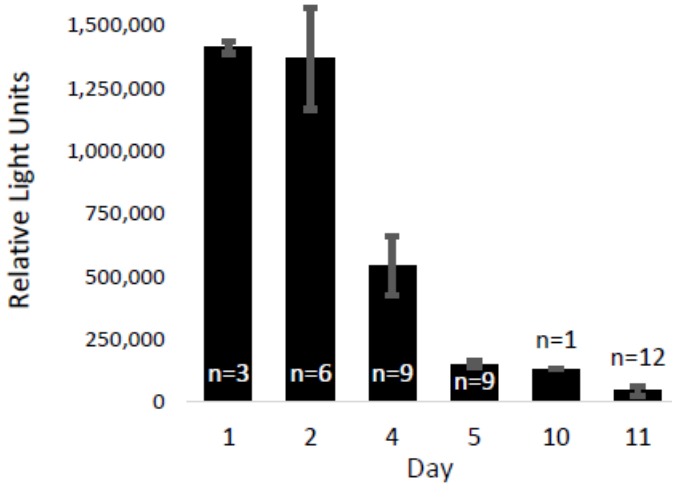


Figure S4. Chemiluminescent signal intensity of the ELISA over time at the maximal concentration (1,000 ng/mL of BoNT/E holotoxin) tested on the standard curve. The number of replicates is indicated for each bar.