

Monoclonal Anti-Botulinum Neurotoxin Type E, Clone E7F4.7A (produced *in vitro*)

Catalog No. NR-20819

This reagent is the tangible property of the U.S. Government.

Product Description: Mouse monoclonal antibody prepared against the type E neurotoxin of *Clostridium botulinum* purified from clone E7F4.7A hybridoma supernatant by protein G affinity chromatography.

Lot: 59663620

Manufacturing Date: 11MAY2011

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	Report results	IgG1κ
Experion Pro260 Analysis	Correct molecular weight (MW) for heavy and light chains Report results	Correct MW for heavy and light chains (Figure 1) 95.7% pure
Concentration by Spectrophotometer at OD ₂₈₀	Report results	1.2 mg/mL
Functional Activity by Western Blotting ¹	Report results	Reactive with BoNT/E heavy chain
Sterility	0.22 µm filter-sterilized	0.22 µm filter-sterilized

¹Using 0.4 µg of Botulinum neurotoxin type A (BEI Resources NR-4769) and a 1:250 dilution of NR-20819 followed by a 1:10,000 dilution of IRDye® 800CW-conjugated goat anti-mouse IgG (H + L) secondary antibody (LiCor 926-32210).

Figure 1



Lane 1: MW Markers (kDa)
Lane 2: NR-20819

Date: 12 FEB 2013

Signature:

Dorothy C. Young

Title:

Technical Manager, BEI Authentication or designee

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