

Monoclonal Anti-Botulinum Neurotoxin Type E, Clone E8C1.7A (produced *in vitro*)

Catalog No. NR-20820

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 E8C1.7A hybridoma supernatant by protein G affinity chromatography.

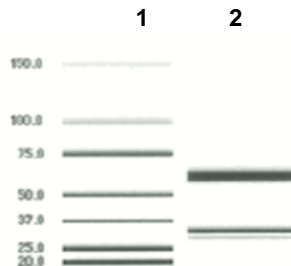
Lot: 59663621

Manufacturing Date: 11MAY2011

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	Report results	IgG2a λ
Experion Pro260 Analysis	Correct molecular weight (MW) for heavy and light chains Report results	Correct MW for heavy and light chains (Figure 1) 94.4% 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 μ m filter-sterilized	0.22 μ m filter-sterilized

¹Using 0.4 μ g of Botulinum neurotoxin type E (BEI Resources NR-4679) and a 1:250 dilution of NR-20820 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-20820

Date: 12 FEB 2013

Signature:

Dorothy C. Young

Title: Technical Manager, BEI Authentication or designee

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