

Monoclonal Anti-Botulinum Neurotoxin Subtype A1 Light Chain, Clone L4E11.1E (produced *in vitro*)

Catalog No. NR-20810

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Product Description: Mouse monoclonal antibody prepared against the light chain of subtype A1 neurotoxin of *Clostridium botulinum* was purified from clone L4E11.1E hybridoma supernatant by protein G affinity chromatography.

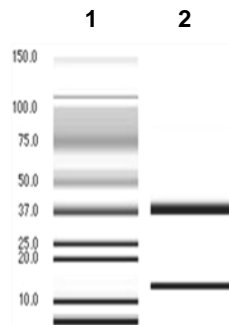
Lot: 59663609

Manufacturing Date: 13APR2011

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	Report results	IgG2bk
Experion Pro260 Analysis	Correct molecular weight (MW) for heavy and light chains Report results	Correct MW for heavy and light chains (Figure 1) 98.9% pure
Concentration by Spectrophotometer at OD ₂₈₀	Report results	1.3 mg/mL
Functional Activity by Western Blotting ¹	Report results	Reactive with BoNT/A light chain
Sterility	0.22 µm filter-sterilized	0.22 µm filter-sterilized

¹Using 0.65 µg of Botulinum neurotoxin type A (BEI Resources NR-4529) and a 1:1,000 dilution of NR-20810 followed by a 1:10,000 dilution of IRDye 680LT-conjugated goat anti-mouse IgG (H + L) secondary antibody (LiCor 926-68020).

Figure 1



Lane 1: MW Markers (kDa)
Lane 2: NR-20810

Date: 04 JAN 2012

Signature:

Dorothy C. Young

Title: Technical Manager, BEI Authentication or designee

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