

Monoclonal Anti-*Bacillus anthracis* Protective Antigen, Clone PA 2II 14B7-1-1 (purified IgG, produced *in vitro*)

Catalog No. NR-4488

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

Product Description: Antibody Class: IgG1k

Monoclonal antibody prepared against recombinant protective antigen (PA) from *Bacillus anthracis* (*B. anthracis*) was purified from hybridoma clone PA 2II 14B7-1-1 supernatant by protein G affinity chromatography. The B cell hybridoma was generated by the fusion of Sp2/0-Ag14 myeloma cells with splenocytes from BALB/c mice immunized with purified recombinant protein.

Lot: 61506762

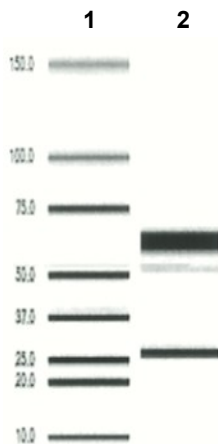
Manufacturing Date: 26OCT2012

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	Report results	IgG1k
Experion Pro260 Analysis	Correct molecular weight (MW) for heavy and light chains Report results	Correct MW for heavy and light chains (Figure 1) 95.2% pure
Concentration by Spectrophotometer at OD ₂₈₀	Report results	1.2 mg/mL
Functional Activity by Western Blotting ¹	Report results	Reactive with <i>B. anthracis</i> protective antigen ²
Sterility	0.22 µm filter-sterilized	0.22 µm filter-sterilized

¹Using 50 ng Anthrax Protective Antigen (BEI Resources NR-140) and a 1:1000 dilution of NR-4488 followed by a 1:10,000 dilution of IRDye® 800CW-conjugated goat anti-mouse IgG (H + L) secondary antibody (LiCor 926-32210).

²BEI Resources NR-140

Figure 1



Lane 1: MW Markers (kDa)
Lane 2: NR-4488

Date: 26 APR 2013

Signature: *Dorothy C. Young*

Title: Technical Manager, BEI Authentication or designee

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