Monoclonal Anti-Shiga Toxin 1 Subunit B (produced *in vitro*) (Similar to 13C4)

Catalog No. NR-844

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

Product Description: Mouse monoclonal antibody to the B subunit of Shiga-like toxin 1 from *Escherichia coli* was purified from supernatants obtained from a mouse hybridoma clonal cell line (ATCC® CRL-1794™) that produces monoclonal antibody 13C4.

Lot: 61506759   Manufacturing Date: 28FEB2013

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) 98.8% pure
Concentration by Spectrophotometer at OD$_{280}$	Report results	1.2 mg/mL
Functional Activity by Western Blotting[1]	Report results	Reactive with shiga toxin type 1 toxoid
Sterility	0.22 µm filter-sterilized	0.22 µm filter-sterilized

[1]Using 10 µg of Shiga Toxin Type 1 Toxoid, Recombinant from *Escherichia coli* (BEI Resources NR-858) and a 1:1000 dilution of NR-844 followed by a 1:10,000 dilution of IRDye® 800CW Goat (polyclonal) Anti-Mouse IgG (H + L), Highly Cross Adsorbed secondary antibody (LiCor 926-32210).

Figure 1
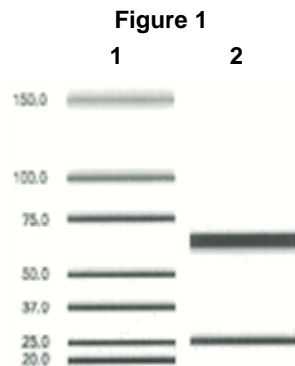
Lane 1: MW Markers (kDa)
Lane 2: NR-844

Date: 06 NOV 2014   **Signature:**

Title: Technical Manager, BEI Authentication or designee

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