

Certificate of Analysis for NR-15475

Monoclonal Anti-Epsilon Toxin from *Clostridium perfringens*, Clone P5C10C5 (produced *in vitro*)

Catalog No. NR-15475

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

Product Description: Monoclonal antibody prepared against recombinant epsilon toxin from *Clostridium perfringens* was purified from hybridoma clone P5C10C5 supernatant by protein G affinity chromatography.

Lot: 58764982

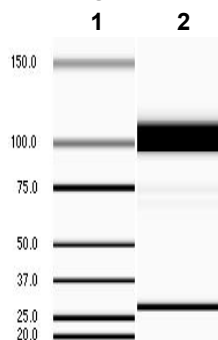
Manufacturing Date: 14JAN2010

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	Report results	IgG2bk and IgMk ¹
Experion Pro260 Analysis	Correct molecular weight (MW) for heavy and light chains Report results	Correct MW for heavy and light chains (Figure 1) 98.4% pure ²
Concentration and Content by Spectrophotometer at OD ₂₈₀	Report results	0.5 mg/mL (50 µg per vial)
Sterility	0.22 µm filter-sterilized	0.22 µm filter-sterilized

¹Using IsoStrip Mouse Monoclonal Antibody Isotyping Kit (Roche 11493027001) and Mouse Monoclonal Antibody Isotyping Test Kit (AbD Serotec MMT-1); Experion Pro260 analysis indicates that IgM predominates (see Figure 1).

²Based on relative abundance of dominant immunoglobulin heavy and light chains ($\mu + \kappa$)

Figure 1



Lane 1: MW Markers (kDa)
Lane 2: NR-15475

Date: 19 DEC 2011

Signature: Dorothy C. Young

Title: Technical Manager, BEI Authentication or designee

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