



**Anti *Clostridium botulinum* E toxoid
Mouse Monoclonal Antibody**

Subclass: IgG₁/k

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| PRODUCT NO. | HAV 001-06 |
| PRESENTATION | Preparation: Protein-A/G purified Content: 1 mL, 1 mg/mL Solvent: 0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15mM sodium azide Storage: In the dark at 4-8°C |
| ANTIGEN | <i>Clostridium botulinum</i> is a gram-positive, anaerobic motile bacteria normally found in soil. <i>C. botulinum</i> is a potential threat to both humans and animals through contaminated food because of the potent neurotoxin they produce. <i>C. botulinum</i> bacteria are categorized within 7 strains A-G based on the characteristics of their toxin. A, B, E and F strains are known to cause foodpoisoning in humans. |
| IMMUNOGEN | <i>Clostridium botulinum</i> type E toxoid |
| SPECIFICITY | HAV 001-06 is specific for botulinum toxoid. No crossreactivity to type A and type F toxoids. |
| EPI TOPE SPECIFICITY | Epitope differs from that of HAV 001-02 |
| REACTIVITY | HAV 001-02 reacts with botulinum toxoid type E when tested in direct ELISA with type E toxoid coated directly onto the microtiter well. No or very little reaction was seen with toxoids type A and type F. |
| CULTURE MEDIUM | RPMI 1640 with 10% fetal calf serum |
| FUSION PARTNER | X63-Ag8.653. |
| IMMUNIZATION | Female CF1 x BALB/c mice immunized i.p. with immunogen adsorbed onto Al(OH) ₃ |

| Method | Usability | Dilution guideline | References |
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| ELISA | Yes | 1:4000 | |
| Immunoblotting | Not determined | | |
| Immunohistochemistry | Not determined | | |

The dilution guideline for ELISA is based on use as detection antibody for antigen coated at 2 µg/ml. Users should determine the optimal dilutions for their own purposes.

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| REFERENCES | 1. Prabakaran S, Tepp W, Das Gupta BR (2001) Botulinum neurotoxin types B and E: purification, limited proteolysis by endoproteinase Glu-C and pepsin, and comparison of their identified cleaved sites relative to the three-dimensional structure of type A neurotoxin. <i>Toxicon</i> 39:1515-1531. |
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CONDITIONS

All products are supplied on the understanding that they are for in vitro use only. The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The animals from which this product was derived have not been exposed to or inoculated with any livestock or poultry disease agents exotic to the United States or Western Europe, and did not originate from facilities where work with exotic disease agents affecting livestock or avian species is carried out.