

**United States Department of Agriculture  
Animal and Plant Health Inspection Service  
Center for Veterinary Biologics  
P. O. Box 844  
Ames, IA 50010**

1. **Reagent Name:** *Clostridium chauvoei* Flagella-specific Monoclonal Antibody (MAb)
2. **Strain or Source:** 7D11
3. **Lot Number:** IRP 441
4. **Fill Date:** April 1998
5. **Expiration Date:** No expiration date has been assigned to this product. Stability of this MAb will be routinely monitored by the Center for Veterinary Biologics.

**Precautions:** There are no known hazards associated with the use of this reagent.

6. **Intended Use:** IRP 441 is for use in a capture enzyme-linked immunosorbent assay (ELISA) as described in **BBPRO0220** for potency testing of *C. chauvoei* bacterins.
7. **Instructions for Use:** The 7D11 MAb murine ascites fluid is provided undiluted in 20  $\mu$ L amounts. For use in the ELISA, the ascites fluid should be diluted approximately 1:2000 in carbonate coating buffer. For detailed instructions see **BBPRO0220**.
8. **Test of Reagent:** Checkerboard ELISA tests were conducted to determine the optimum use dilution for this reagent. The specificity of the MAb was demonstrated by ELISA using purified *C. chauvoei* flagella and whole cell antigens of *Clostridium septicum*, *Clostridium perfringens*, and other clostridial species.  
  
Passive protection studies in mice demonstrated the ability of 7D11 to protect 100% of test mice against a virulent *C. chauvoei* spore challenge.
9. **Container Size, Type, Weight, or Volume:** 20  $\mu$ L aliquots in plastic vials.
10. **Storage Conditions:** Store at -20°C or lower. Once the ascites fluid has been thawed, store at 2°- 7°C.
11. **CVB Technical Contact:** Bacteriology Section, Center for Veterinary Biologics, (515) 337-6140 or FAX (515) 337-7673.
12. **Origin and Passage History:** Not applicable.

**13. Method of Preparation:** Ascites fluid was collected from tumors that developed in BALB/C mice injected with hybridoma 7D11. Ascites fluid was filtered and frozen at -70°C.

**14. Other:** None

Reagent orders and feedback should be sent *including phone number* to the following email address: [CVB@aphis.usda.gov](mailto:CVB@aphis.usda.gov)

Reagent orders forms (APHIS 2018) are available from:  
[http://www.aphis.usda.gov/animalhealth/cvb\\_forms](http://www.aphis.usda.gov/animalhealth/cvb_forms)

**REVISED:** 17Apr14 alb