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 (7D11/YD7) Monoclonal Antibody (MAb)

2. Strain or Source: 7D11 and YD7 hybridomas

3. Lot Number: IRP 608

4. Fill Date: 23Jan14

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 608 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 MAb murine ascites fluid is provided undiluted in 100 µL amounts. For use in the ELISA, the ascites fluid should be diluted approximately 1:1000 in carbonate coating buffer. For detailed instructions see **BBPRO0220**.

8. Test of Reagent:

Signal to Noise test – This was conducted to determine the optimum use dilution for this reagent. The specificity of the MAb was demonstrated by ELISA using partially purified *C. chauvoei* flagella and whole cell antigens of *Clostridium haemolyticum, Clostridium perfringens,* and other clostridial species.

Sterility test – This reagent was tested for sterility and found to be free of viable bacteria and fungi.

9. Container Size, Type, Weight, or Volume: 100 µL aliquots in 0.5 mL screw cap plastic vials.

10. Storage Conditions: Store at -20°C or lower. Once the ascites fluid has been thawed, store at 2°- 7ºC.

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 7D11and YD7. 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

Reagent orders forms (APHIS 2018) are available from:
https://www.aphis.usda.gov/library/forms/pdf/APHIS_2018.pdf

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