

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:** January 23, 2014
5. **Expiration Date:** April 30, 2026

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 **CVB-PRO-0005, *Potency Testing of Clostridium chauvoei* Bacterins using an ELISA Procedure** 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 **CVB-PRO-0005**.
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°- 7°C.

11. CVB Technical Contact: Bacteriology Section, Center for Veterinary Biologics, (515) 337-6100.

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 and 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: VS.DB.CVB.Reagent.Requests@usda.gov

Reagent orders forms (APHIS Form 2018) can be found on the CVB website.