

**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:** *Leptospira pomona* Monoclonal Antibody (LP MAb)
2. **Strain or Source:** Hybridoma D7F10C7
3. **Lot Number:** IRP 04-504
4. **Fill Date:** April 21, 2004
5. **Expiration Date:** 30Apr22

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

6. **Intended Use:** For use in an enzyme-linked immunosorbent assay (ELISA) as described in Supplemental Assay Method (SAM) 624 for serial release potency testing of leptospiral bacterins containing Serogroup Pomona.
7. **Instructions for Use:** Dilute the MAb 1:20,000 in phosphate-buffered saline supplemented with 1% polyvinyl alcohol and 0.9% normal rabbit serum and use immediately, as specified in **SAM 624**.
8. **Test of Reagent:** LP MAb passively protected hamsters against a challenge with *L. pomona*. LP MAb reacts against *L. pomona*-specific lipopolysaccharide-like antigen on Western blot; it does not react with antigens from other serovars. The isotype of LP MAb is IgA. The optimal use dilution was determined by titration, using the assay described in **SAM 624**.
9. **Container Size, Type, Weight, or Volume:** 250 µL aliquots in plastic microcentrifuge tubes.
10. **Storage Conditions:** -20° to -80°C for long term storage. Vial may be held at 2°- 7°C for two months.
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:** The hybridoma cell line was developed by immunizing BALB/c mice with an extract of *L. pomona* challenge strain 11000 and fusing splenocytes with

Sp2/O myeloma cells. Ascites fluid was collected from BALB/c mice injected with hybridoma D7F10C7, pooled, filtered, and frozen at -20°C or lower.

**14. Other:** The hybridoma cell line D7F10 has been deposited with the American Type Culture Collection in Bethesda, MD. Both D7F10 and D7F10C7 are subclones of hybridoma 2D7 listed in SAM 624.

**Restrictions:** This reagent is provided by the CVB to biologics manufacturers only for use in potency testing according to **SAM 624**.

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

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

**REVISED:** 26Apr18 amw