

**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 2D7
3. **Lot Number:** IRP 04-476
4. **Fill Date:** April 16, 2004
5. **Expiration Date:** Not applicable

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 serovar *pomona*.
7. **Instructions for Use:** Dilute the MAb 1:30,000 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 μ L 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 several weeks.
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 2D7, pooled, filtered, and frozen at -20°C or lower.

14. Other: This hybridoma cell line has been deposited with the American Type Culture Collection in Bethesda, Maryland.

Restrictions: This reagent is provided by the CVB-PEL 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: CVB@aphis.usda.gov

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

REVISED: 18Apr14 alb