



Animal and Plant
Health Inspection
Service

Veterinary Services

Center for Veterinary
Biologics

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Ames, IA 50010

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Leptospira pomona Monoclonal Antibody (LP MAb) - Lot ID IRP 04-504

Document Number: CVB-DAT-0081

Revision: 02

Previous Number: BB DAT0101.06

Vault: CVB-Released

Section/Area: CVB-DAT

Effective Date: 11 Jul 2022

Notes: *Strain or Source: Hybridoma D7F10C7, Fill date: April 21, 2004*

**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:** July 31, 2026

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 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 two months.
11. **CVB Technical Contact:** Bacteriology Section, Center for Veterinary Biologics, (515) 337-6100 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.DB.CVB.Reagent.Requests@usda.gov

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