

**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 grippotyphosa* Monoclonal Antibody (LG MAb)
2. **Strain or Source:** Hybridoma LGF02-002
3. **Lot Number:** IRP 04-505
4. **Fill Date:** April 28, 2004
5. **Expiration Date:** 30Apr23

**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) 626** for serial release potency testing of leptospiral bacterins containing serovar *grippotyphosa*.
7. **Instructions for Use:** Dilute LG MAb 1:9,000 in phosphate-buffered saline supplemented with 1% polyvinyl alcohol and 0.1% normal rabbit serum, and use immediately, according to **SAM 626**.
8. **Test of Reagent:** LG MAb passively protected hamsters against a challenge with *L. grippotyphosa*. LG MAb reacts against *L. grippotyphosa*-specific lipopolysaccharide-like antigen on Western blot; it does not react with antigens from other serovars. The isotype of LG MAb is IgM. The optimal use dilution was determined by titration, using the assay described in **SAM 626**.
9. **Container Size, Type, Weight, or Volume:** 250  $\mu$ L aliquots in plastic microcentrifuge tubes.
10. **Storage Conditions:** -20° to -80°C for long-term storage. Vial may be stored 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. grippotyphosa* challenge strain and fusing splenocytes with Sp2/O myeloma cells. Ascites fluid collected from BALB/c mice injected with hybridoma LGF02-002 was pooled, filtered, and frozen at -20°C or lower.

**14. Other:**

**Restrictions:** This reagent is provided by the CVB to biologics manufacturers only for use in potency testing according to **SAM 626**.

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:** 29Mar18 tlt