



Animal and Plant
Health Inspection
Service

Veterinary Services

Center for Veterinary
Biologics

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Ames, IA 50010

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Escherichia coli Anti-987P Pilus Monoclonal Antibody (987P MAb) - Lot ID IRP 475

Document Number: CVB-DAT-0054

Revision: 03

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Vault: CVB-Released

Section/Area: CVB-DAT

Effective Date: 06 May 2022

Notes: *Strain or Source: Hybridoma 1BB6-3D6, Fill date: June 5, 2002*

**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:** *Escherichia coli* Anti-987P Pilus Monoclonal Antibody (987P MAb).
2. **Strain or Source:** Hybridoma 1BB6-3D6
3. **Lot Number:** IRP 475
4. **Fill Date:** June 5, 2002
5. **Expiration Date:** March 31, 2027

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

6. **Intended Use:** For use in potency testing of *E. coli* biologicals containing the 987P pilus antigen, according to **Supplemental Assay Method (SAM) 622**.
7. **Instructions for Use:** Dilute the 987P MAb 1:10,000 in phosphate-buffered saline supplemented with 0.05% Tween-20 and 2% bovine serum albumin fraction V, and use immediately, according to **SAM 622**.
8. **Test of Reagent:** The 987P MAb was shown to be specific for 987P pilus antigen. It exhibits minimal nonspecific binding (background) in assays performed according to **SAM 622**. The optimal use dilution was determined by titration, using the assay described in **SAM 622**. The sterility was checked by streaking on blood agar medium.
9. **Container Size, Type, Weight, or Volume:** 150- μ L aliquots in microcentrifuge vials. Sufficient amount to run 10+ plates.
10. **Storage Conditions:** -20° to -80°C for long-term storage. May be held at 2°- 7°C for several months after removal from freezer.
11. **CVB Technical Contact:** Bacteriology Section, Center for Veterinary Biologics, (515) 337-6100 or FAX (515) 337-7673.
12. **Origin and Passage History:** The 1BB6-3D6 hybridoma cell line secreting anti-987P antibody was obtained from Molecular Genetics, Inc., Minnetonka, Minnesota. The cell line was produced by fusion of splenocytes (obtained from a BALB/c mouse immunized with purified 987P pili) with mouse plasmacytoma cells (NS-1).

13. Method of Preparation: Raw ascites fluid was purchased from Molecular Genetics, Inc., and frozen at -70°C or lower.

14. Other: None

Restrictions: For use in potency testing of *E. coli* biologicals according to SAM 622.

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.