Escherichia coli Anti-K88 Pilus Horseradish Peroxidase (HRP)-Labeled Monoclonal Antibody (K88-HRP Conjugate) - Lot ID IRP 597

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Notes: Strain or Source: Hybridoma 21BA1-1H1, Fill date: April 8, 2011
United States Department of Agriculture  
Animal and Plant Health Inspection Service  
Center for Veterinary Biologies  
P. O. Box 844  
Ames, IA 50010

1. **Reagent Name:** *Escherichia coli* Anti-K88 Pilus Horseradish Peroxidase (HRP)-Labeled Monoclonal Antibody (K88-HRP Conjugate)

2. **Strain or Source:** Hybridoma 21BA1-1H1

3. **Lot Number:** IRP 597

4. **Fill Date:** April 8, 2011

5. **Expiration Date:** March 31, 2026

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

6. **Intended Use:** For use in potency testing of *E. coli* biologics containing the K88 pilus antigen, according to Supplemental Assay Method (SAM) 621.

7. **Instructions for Use:** Dilute the K88-HRP conjugate 1:6,000 in phosphate-buffered saline supplemented with 0.05% Tween 20 and 1% ovalbumin and use immediately, according to SAM 621.

8. **Test of Reagent:** The K88-HRP conjugate was shown to be specific for the “a” subunit of the K88 pilus antigen. It exhibits minimal nonspecific binding (background) in assays performed according to SAM 621. The optimal use dilution was determined by titration, using the assay described in SAM 621.

9. **Container Size, Type, Weight, or Volume:** Approximately 50-μL aliquots in microfuge vials.

10. **Storage Conditions:** Maintain at or below -70°C for long-term storage. The conjugate may be stored at 4°C up to two weeks.

11. **CVB Technical Contact:** Bacteriology Section, Center for Veterinary Biologies, (515) 337-7020 or FAX (515) 337-7673.

12. **Origin and Passage History:** Raw ascites fluid was purchased from Molecular Genetics Inc., Minnetonka, Minnesota. Hybridoma 21BA1-1H1, secreting anti-K88 antibody specific for a common “a” epitope of all three K88 antigenic variants, was produced from a fusion of pili-
immunized BALB/c mouse splenocytes with mouse plasmacytoma cells (NS-1) on September 29, 1983, at Molecular Genetics.

13. **Method of Preparation:** Raw ascites fluid was purchased from Molecular Genetics Inc. The anti-K88 ascites fluid was labeled with horseradish peroxidase, filter-sterilized, and stored at -70°C or lower.

14. **Other:**

| **Restrictions:** | To be used only in conjunction with biological potency testing according to SAM 621. |

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

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