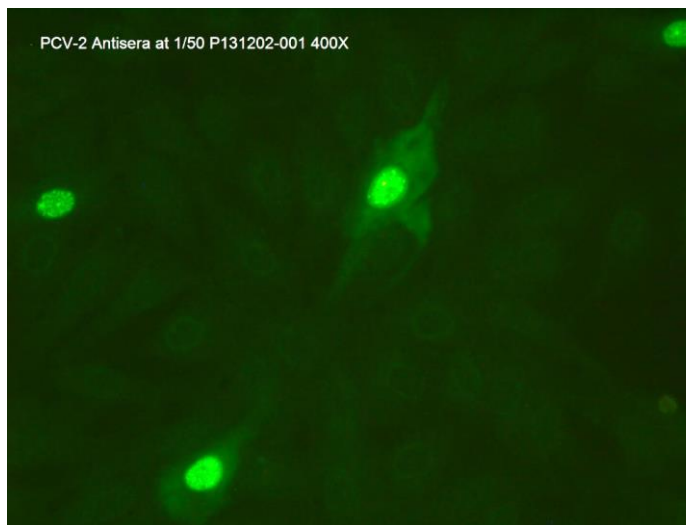


CERTIFICATE OF ANALYSIS

Porcine Circovirus Type 2 (PCV-2)

Antiserum

Catalog No.:	PAB-PCV2
Volume:	2 ml
Lot:	P131202-001
Expiration:	06 January 2018
Agent:	Porcine Circovirus Type 2 (PCV-2)



Description:

Polyclonal antiserum developed against an antigen specific to PCV-2. Does not react with PCV-1. Liquid. Porcine origin.

Quality Control Method:

Indirect FA using PCV-2 12-well slide (catalog no. SLD-IFA-PCV2) and anti-porcine IgG FITC affinity purified conjugate (catalog no. CJ-F-PORG-AP-1ML or 10ML).

Specific Reaction: 2-4+ fluorescence at 1/25 with no background and an endpoint titer equal to 1/400.

Other Comments: The Antiserum has also been screened by Indirect FA and does not react with porcine adenovirus (PAV), porcine circovirus type 1 (PCV-1), porcine hemagglutinating encephalomyelitis virus (PHEV), porcine parvovirus (PPV), porcine reproductive and respiratory syndrome virus (PRRSV, North American), transmissible gastroenteritis virus (TGEV), rabies recombinant nucleoprotein (rNP), vesicular stomatitis virus Indiana and New Jersey strains (VSV).

Pattern Of Fluorescence:

Granular and diffuse nuclear fluorescence with some nuclear inclusions and occasional smooth and undifferentiated cytoplasmic fluorescence.

Intended Use:

Useful for specific IFA identification of PCV-2 virus. Not recommended for screening for Porcine Circoviruses due to sparse distribution of the PCV-2 antigen to which this antibody reacts. PAB-PCV1&2 is recommended for screening. Not suitable for cell culture serum neutralization because it contains 0.09% sodium azide as a preservative.

Storage:

This antiserum is provided in liquid form and should be stored at 2-7°C. DO NOT FREEZE! If antiserum becomes cloudy, it should be discarded. This antiserum contains 0.09% sodium azide as a preservative.

References: NA

Recommended Staining Procedure for Indirect FA:

1. Warm slide to room temperature before removing from foil pouch.
2. Place diluted serum on the designated wells. Dilute serum in serum diluting buffer, pH 7.2 (catalog no. FASDB-100ML) however if high background due to anti-bovine IgG activity is present it may be advisable to use SSDB-100ML.
3. Incubate slide in humid chamber at 37°C for 30 minutes.
4. Using a wash bottle, gently rinse slide briefly in FA rinse buffer, pH 9.0 (catalog no. FARB-4X) and then soak for 10 minutes in FA rinse buffer, pH 9.0.
5. Drain slide and dry around wells by pressing blotter (included in pouch) to front surface. Place labeled anti-IgG or IgM on the wells.
6. Incubate as in step 3.
7. Rinse as in step 4.
8. Drain slide and dry back and edges with a paper towel. Do not allow stained surface to dry. Do not rinse with water.
9. Mount with mounting fluid [glycerol/FA rinse buffer, pH 9.0, (50/50)] (catalog no. FAMF-10ML) and view with good quality fluorescence microscope at 100X-250X. Confirmation may be made at 400X.

Recommended Staining Procedure for Direct FA:

1. Warm slide to room temperature before removing from foil pouch.
2. Place of direct FA conjugate on the designated wells.
3. Incubate slide in humid chamber at 37°C for 30 minutes.
4. Using a wash bottle, gently rinse slide briefly in FA rinse buffer, pH 9.0 (catalog no. FARB-4X) and then soak for 10 minutes in FA rinse buffer, pH 9.0.
5. Drain slide and dry back and edges with a paper towel. Do not allow stained surface to dry. Do not rinse with water.
6. Mount with mounting fluid [glycerol/FA rinse buffer, pH 9.0, (50/50)] (catalog no. FAMF-10ML) and view with good quality fluorescence microscope at 100X-250X. Confirmation may be at 400X.

Serum Diluting Buffer (pH 7.2):*

- Na₂HPO₄.....1.19 gm
- NaH₂PO₄.....0.22 gm
- NaCl.....8.55 gm
- BSA.....10.0 gm
- DI/dH₂O.....Q.S. to 1 liter

*This recipe makes 1 liter. If you need less, adjust recipe accordingly. Store at 2-7°C. Add 0.09% NaN₃ if diluted serum is not going to be used within one week.

4X FA Rinse Buffer (pH 9.0):

- Na₂CO₃.....11.4 gm
- NaHCO₃.....33.6 gm
- NaCl.....8.5 gm
- DI/dH₂O.....Q.S. to 1 liter

Final pH should be 9.0-9.5. This is a 4X concentrate and should be diluted 1/4 with DI/distilled water for use as a working buffer. Keep in a tightly stoppered container at room temperature. MOUNTING FLUID is made by mixing glycerol and FA rinse buffer, pH 9.0, in equal proportions.