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Certificate of Analysis

PPV 3C9D11H11

Monoclonal Antibody

CATALOG NO.: 3C9D11H11

LOT: P100421-001

ISOTYPE: IgG₁

SPECIFICITY: Porcine Parvovirus (PPV)

KNOWN APPLICATIONS: Virus neutralization;¹ indirect fluorescence,¹ hemagglutination inhibition,¹ radioimmunoassays;² immunohistochemistry.⁵

KNOWN VIRUS REACTIVITY: Porcine Parvovirus (PPV)

DESCRIPTION: This monoclonal antibody is produced as mouse ascites fluid, clarified by centrifugation, and filtered through a 0.2 µm filter. The antibody concentration is 1.0 mg/ml, in phosphate-buffered saline, stabilized with 4 mg/ml bovine serum albumin (BSA) and preserved with 0.09% sodium azide.

QUALITY CONTROL METHOD: Indirect FA using VMRD Inc. PPV 12 well slide (catalog no. SLD-IFA-PPV), Isotype control IgG₁, and Anti-Mouse FITC conjugate (catalog no. CJ-F-MURG-AP-1ML or 10ML).

Specific Reaction: 3-4+ fluorescence at 1:100 with no background and an endpoint greater than 1:10,000.

Other Comments: NA

PATTERN OF FLUORESCENCE: Fluorescence limited almost entirely to nucleus of cell. Some granular cytoplasmic staining.

STORAGE: When the vial is stored at 2-7°C, it should be stable for one year.

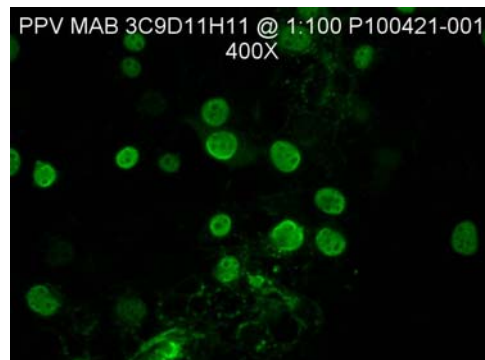
REFERENCES:

¹Mengeling WL, et al. Potential of monoclonal antibodies for systemic immunoprophylaxis in the pig. *8th Proc. Int'l. Pig Vet. Soc.* (Ghent, Belgium), 1984;15.

²Katz JB, Van Deusen RA. Radioimmunoassay of adjuvant-associated porcine parvovirus using a monoclonal antibody in a nitrocellulose membrane system. *J Virol Meth* 1985 Dec;12(3-4):193-198.

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- ³Paul PS, Mengeling WL, Malstrom CE, et al. Production and characterization of monoclonal antibodies to porcine immunoglobulin gamma, alpha, and light chains., *Am J Vet Res* 1989;50: 471-479.
- ⁴Ellis J, Krakowka S, Lairmore M, et al. Reproduction of lesions of postweaning multisystemic wasting syndrome in gnotobiotic piglets. *J Vet Diagn Invest* 1999 Jan;11(1):3-14.
- ⁵Kim J, Chae C. A comparison of virus isolation, polymerase chain reaction, immunohisto-chemistry, and in situ hybridization for the detection of porcine circovirus 2 and porcine parvovirus in experimentally and naturally coinfecting pigs. *J Vet Diagn Invest* 2004 Jan; 16(1):45-50.