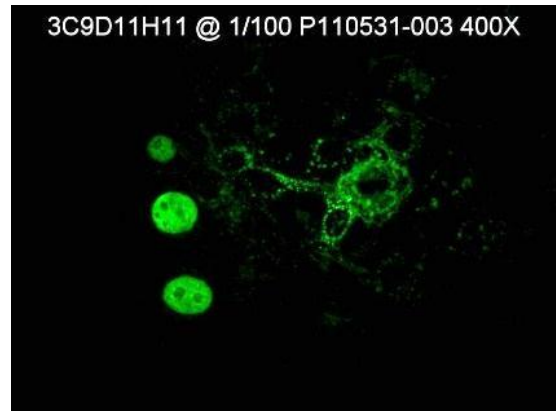


CERTIFICATE OF ANALYSIS

3C9D11H11

Monoclonal Antibody

Catalog No. / Cell Line:	3C9D11H11
Lot:	P110531-003
Isotype:	IgG ₁



Specificity:

Porcine Parvovirus (PPV)

Known Applications:

Virus neutralization, indirect fluorescence, hemagglutination inhibition, radioimmunoassays, and immunohistochemistry.

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 (1.0mg/ml), and Anti-Mouse FITC AP conjugate (catalog no. CJ-F-MURG-AP-1ML or CJ-F-MURG-AP-10ML). Test in RID IgG₁ for isotype mg/ml concentration.

Specific Reaction: 1-4+ fluorescence at a concentration of 10µg/ml with no background and an endpoint less than 0.1 µg/ml. The isotype control had a trace reaction. The RID results showed a concentration of 0.98 mg/ml.

Other Comments: NA

Pattern of Fluorescence:

Granular nuclear and cytoplasmic fluorescence.

Storage:

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

References:

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

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- Ellis 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.
- Kim 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.