CDV-NP
Monoclonal Antibody

Catalog No./Cell Line: CDV-NP
Lot: P110721-006
Isotype: IgG₂κ, kappa light chain

Specificity:
Canine Distemper Virus Nucleoprotein (inclusions). Specific for Canine Distemper Virus. Cross-reacts with measles virus. Does not react with Canine Adenovirus Type 2 (CAV-2), Canine Coronavirus (CCV), Canine Parainfluenza Virus (CPI), or Canine Parvovirus (CPV).

Known Applications:
Immunofluorescence, Western blot, immunohistochemistry, and ELISA. Immunofluorescence staining is cytoplasmic only (no nuclear staining) and is intense; inclusion bodies are stained most intensely. In Western blot using ultracentrifuge-precipitated CDV in reducing gels this MAb gives major bands at 76; 68; 54, and 32 kD. Immunohistochemistry is effective in paraffin embedded tissue to detect CDV.

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 (PBS), stabilized with 4 mg/ml bovine serum albumin (BSA), and preserved with 0.09% sodium azide (NaN₃).

Quality Control Method:
Indirect FA using Canine Distemper Virus (CDV) slide (catalog no. SLD-IFA-CDV), Isotype control IgG₂κ, Anti-Mouse IgG FITC conjugate (catalog no. CJ-F-MURG-AP-10ML). Test in RID IgG₂κ for isotype mg/ml concentration.

Specific Reaction: 3-4+ fluorescence at 10μg/ml with no background. The endpoint concentration is less than 1.0 μg/ml. The isotype control was negative with no background. The RID results showed a concentration of 0.94 mg/ml.

Other Comments: NA

Pattern of Fluorescence:
Individual cells with inclusion bodies and some plasma membrane fluorescence.

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

References:

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