**CDV-NP**

Monoclonal Antibody

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>CDV-NP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lot</td>
<td>P140110-001</td>
</tr>
<tr>
<td>Isotype</td>
<td>IgG&lt;sub&gt;2b&lt;/sub&gt; kappa light chain</td>
</tr>
<tr>
<td>Expiration</td>
<td>1 year when stored at 2-7°C</td>
</tr>
</tbody>
</table>

**Specificity:**

Canine Distemper Virus Nucleoprotein (inclusions). Specific for Canine Distemper Virus (CDV) MAb Ascites IgG<sub>2b</sub> Isotype. 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 kDa. 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 (NaNO<sub>2</sub>).

**Quality Control Method:**

Indirect FA using CDV 12-well slide (catalog no. SLD-IFA-CDV), isotype control IgG<sub>2b</sub>, and anti-murine IgG FITC affinity purified conjugate (catalog no. CJ-F-MURG-AP-1ML or 10ML). Mouse RID Kit IgG<sub>2b</sub>.

**Specific Reaction:** 3-4+ fluorescence at 10 μg/ml with no background. The endpoint concentration is less than 0.01 μg/ml. The isotype control was negative with trace background. The RID results showed a concentration of 1.039 mg/ml.

**Other Comments:** NA

**Pattern Of Fluorescence:**

Individual cells with inclusion bodies and some plasma membrane fluorescence.

**Storage:**

This monoclonal antibody is provided in liquid from and should be stored at 2-7°C. DO NOT FREEZE!
References: