

Mouse Anti-Canine Parvovirus Monoclonal Antibody

Cat. No.: VD11Y59

Product Type: Veterinary Antibodies

Size: 10 µg; 0.1 mg; 1mg

Product Overview

BioVenic mouse monoclonal antibody is specific for the canine parvovirus. It was produced in hybridoma and subsequently assessed for purity using SDS-PAGE. It can be applied to ELISA and lateral flow immunoassay to diagnose canine parvovirus infection. The clone N07Y117 can be used as capture antibody in the ELISA assay, and the clone N07Y118 can be used as detection antibody in the ELISA assay.

Specifications

Application	ELISA; LF
Clonality	Monoclonal Antibody
Classification	Primary Antibody
Clone	N07Y117; N07Y118
Host	Mouse
Target Species	Virus
Species Reactivity	Canine
Specificity	Canine Parvovirus
Isotype	IgG
Immunogen	Inactivated canine parvovirus.
Purity	≥ 95% (SDS-PAGE)
Conjugation	Unconjugated
Buffer	1X Phosphate buffered saline, pH 7.4
Physical State	Lyophilized

Target Information

Canine parvovirus (CPV) is a small, non-enveloped virus that primarily infects dogs. CPV causes a highly contagious and potentially life-threatening disease in dogs known as canine parvovirus infection. The disease primarily affects the gastrointestinal tract, leading to severe enteritis.

Target	Canine Parvovirus
Target Synonym	CPV
Taxonomy ID	10788

Shipping and Storage

This product is shipped with dry ice. Store at -20°C to -80°C on receipt (up to 12 months). Avoid repeated freezing and thawing as this may denature the antibody.

User Note

The clone N07Y117 can be used as capture antibody in the ELISA assay, and N07Y118 can be used as detection antibody in the ELISA assay.

Reference

Zhou, Pei, *et al.* "The genetic evolution of canine parvovirus-A new perspective." *PLoS One* 12.3 (2017): e0175035.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.