

Mouse Anti-*Ehrlichia* Monoclonal Antibody

Cat. No.: VD11Y9

Product Type: Veterinary Antibodies

Size: 10 µg; 0.1 mg; 1mg

Product Overview

BioVenic mouse monoclonal antibody is specific for *Ehrlichia*. 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 *Ehrlichia* infection in feline and canine. The clone N07Y17 can be used as capture antibody in the ELISA assay, and the clone N07Y18 can be used as detection antibody in the ELISA assay.

Specifications

Application	ELISA; LF
Clonality	Monoclonal Antibody
Classification	Primary Antibody
Clone	N07Y17; N07Y18
Host	Mouse
Target Species	Protozoa and Rickettsia
Species Reactivity	Feline; Canine
Specificity	<i>Ehrlichia</i>
Isotype	IgG
Immunogen	Inactivated <i>Ehrlichia</i> pathogen.
Purity	≥ 95% (SDS-PAGE)
Conjugation	Unconjugated
Buffer	1X Phosphate buffered saline, pH 7.4
Physical State	Lyophilized

Target Information

Ehrlichia refers to a group of bacteria that are transmitted to humans and animals primarily through the bite of an infected tick. *Ehrlichia* infections in animals can cause a disease called ehrlichiosis, and symptoms may include fever, fatigue, muscle pain, and in severe cases, organ failure.

Target	<i>Ehrlichia</i>
Taxonomy ID	943

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 N07Y17 can be used as capture antibody in the ELISA assay, and N07Y18 can be used as detection antibody in the ELISA assay.

Reference

Beall, Melissa J., *et al.* "Seroprevalence of *Ehrlichia canis*, *Ehrlichia chaffeensis* and *Ehrlichia ewingii* in dogs in North America." *Parasites & vectors* 5 (2012): 1-11.

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.