

Mouse Anti-Goat IgG Monoclonal Antibody-[HRP]

Cat. No.: VD7N489

Product Type: Animal-targeted Antibodies

Size: 1mL

Product Overview

BioVenic mouse monoclonal antibody is specific for goat IgG. It can be applied to WB, IHC and ELISA assays of goat IgG.

Specifications

Application	WB; IHC; ELISA
Clonality	Monoclonal
Classification	Labeled Antibody
Clone	L14N64
Host	Mouse
Target Species	Goat
Species Reactivity	Goat
Specificity	Goat IgG
Purity	> 90%
Concentration	1 mg/mL
Conjugation	HRP
Preservative and Stabilizer	Proclin 300
Buffer	0.01M Phosphate Buffered Saline, 0.5% Bovine Serum Albumin and 50% Glycerol
Physical State	Liquid

Target Information

Goat IgG, or immunoglobulin G, is a vital component of the immune system in goats, providing long-term and highly specific immunity against a variety of pathogens. As the most prevalent class of antibodies in the serum, IgG plays a crucial role in the secondary immune response, offering protection through the neutralization of viruses, bacteria, and other foreign substances. Goat IgG is composed of four subclasses, each with distinct structural and functional properties that contribute to its effectiveness in immune defense. These antibodies are particularly notable for their long half-life and ability to cross the placenta, providing passive immunity to newborn kids.

Shipping and Storage

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

Reference

Sun, Pengxiang, *et al.* "Development and Application of Colloidal Gold Test Strips for the Rapid Detection of Canine Brucellosis." *Biosensors* 14.8 (2024): 388.

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.