

Mouse Anti-Feline IgG Monoclonal Antibody-[Biotin]

Cat. No.: VD7N440

Product Type: Animal-targeted Antibodies

Size: 1mL

Product Overview

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

Specifications

Application	FCM; IF; IP; IHC; ELISA; WB
Clonality	Monoclonal
Classification	Labeled Antibody
Clone	L14N15
Host	Mouse
Target Species	Feline
Species Reactivity	Feline
Specificity	Feline IgG
Purity	> 90%
Concentration	1 mg/mL
Conjugation	Biotin
Preservative and Stabilizer	Sodium Azide
Buffer	0.01M Phosphate Buffered Saline, 0.5% Bovine Serum Albumin and 50% Glycerol
Physical State	Liquid

Target Information

Feline IgG, or immunoglobulin G in cats, is a critical component of the feline immune system, providing a specific and long-lasting immune response to various antigens. As the primary antibody produced during the secondary immune response, IgG is instrumental in identifying and neutralizing foreign substances such as viruses, bacteria, and parasites. Cats produce IgG antibodies following exposure to new pathogens, and these antibodies remain in the bloodstream to offer rapid and robust defense upon subsequent

counters with the same antigens. One unique aspect of feline IgG is its role in maternal immunity; queens can transfer IgG to their kittens through colostrum, the first milk produced after giving birth, which is vital for the kittens' initial immune protection.

Target

Feline IgG

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

Lu, Zhengchun, *et al.* "Sequence analysis of feline immunoglobulin mRNAs and the development of a felinized monoclonal antibody specific to feline panleukopenia virus." *Scientific Reports* 7.1 (2017): 12713.

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.