

Mouse Anti-Peste Des Petits Ruminants (PPR) N Monoclonal Antibody-[FITC]

Cat. No.: VD7N468

Product Type: Animal-targeted Antibodies

Size: 1mL

Product Overview

BioVenic mouse monoclonal antibody is specific for peste des petits ruminants protein N. It can be applied to FCM, IF, IHC and ELISA assays of peste des petits ruminants protein N.

Specifications

Application	FCM; IF; IHC; ELISA
Clonality	Monoclonal
Classification	Labeled Antibody
Clone	L14N43
Host	Mouse
Target Species	Virus
Species Reactivity	Virus
Specificity	Peste Des Petits Ruminants Protein N
Purity	> 90%
Concentration	1 mg/mL
Conjugation	FITC
Preservative and Stabilizer	Sodium Azide
Buffer	0.01M Phosphate Buffered Saline, 0.5% Bovine Serum Albumin and 50% Glycerol
Physical State	Liquid

Target Information

Peste des petits ruminants (PPR), also known as goat plague, is a highly contagious viral disease that affects small ruminants such as goats and sheep. The PPR virus possesses a number of proteins that are crucial for its pathogenesis and immune evasion. One of these proteins is the PPR Protein N, which is a nucleoprotein essential for the viral replication process. The N protein of PPR virus is a highly conserved phosphoprotein that binds to the viral RNA genome, playing a pivotal role in the formation of the ribonucleoprotein complex. It is involved in various aspects of the virus life cycle, including viral transcription and replication. The N protein is

also considered an important antigen that can elicit an immune response in infected hosts, making it a potential target for diagnostic and vaccine development.

Target	Peste Des Petits Ruminants Protein N
Target Synonym	Goat plague
Gene ID	3119775
UniProt ID	Q08823

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

Li, Pengfei, *et al.* "The nucleoprotein and phosphoprotein of peste des petits ruminants virus inhibit interferons signaling by blocking the JAK-STAT pathway." *Viruses* 11.7 (2019): 629.

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.