

Mouse Anti-Canine PRMT5 Monoclonal Antibody

Cat. No.: VD11N257

Product Type: Animal-targeted Antibodies

Size: 50 µL

Product Overview

BioVenic mouse monoclonal antibody is specific for canine PRMT5. It can be applied to WB and ELISA assays of canine PRMT5.

Specifications

Application	WB; ELISA
Clonality	Monoclonal
Classification	Primary Antibody
Clone	S18N62
Host	Mouse
Target Species	Canine
Species Reactivity	Canine
Specificity	Canine PRMT5
Isotype	IgG1
Immunogen	Recombinant protein of PRMT5
Concentration	2 mg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	15mM Sodium Azide
Buffer	Phosphate Buffered Saline
Physical State	Liquid

Target Information

Canine protein arginine methyltransferase 5 (PRMT5) is a type II protein arginine methyltransferase enzyme that plays a significant role in various cellular processes, including transcription, splicing, translation, metabolism, signal transduction, and DNA damage repair. It is frequently overexpressed and dysregulated in both solid and hematologic tumors, making it a key player in oncogenesis and a potential therapeutic target.

Target	Canine PRMT5
Target Synonym	Protein arginine N-methyltransferase 5
Gene ID	480242
UniProt ID	A0A8C0PPS3

Shipping and Storage

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

Reference

Sloan, Shelby L., *et al.* "Validation of protein arginine methyltransferase 5 (PRMT5) as a candidate therapeutic target in the spontaneous canine model of non-Hodgkin lymphoma." *PloS one* 16.5 (2021): e0250839.

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.