

Mouse Anti-Porcine Tropomyosin 4 (TPM4) Monoclonal Antibody

Cat. No.: VD8N331

Product Type: Animal-targeted Antibodies

Size: 50uL; 100uL; 150uL

Product Overview

BioVenic mouse monoclonal antibody is specific for tropomyosin 4. It is affinity purified by protein A. It can be applied to WB, IHC, I F/ICC and ELISA assays of tropomyosin 4.

Specifications

Application	WB; IHC; IF/ICC; ELISA
Clonality	Monoclonal
Classification	Primary Antibody
Clone	G7N6
Host	Mouse
Target Species	Porcine
Species Reactivity	Porcine
Specificity	Tropomyosin 4
Isotype	IgG1
Immunogen	Recombinant protein of tropomyosin 4
Purification	Protein A Purified
Concentration	1900 µg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	0.02% Sodium Azide
Buffer	Phosphate Buffered Saline with 50% Glycerol, pH 7.3
Physical State	Liquid

Target Information

Porcine tropomyosin 4 (TPM4) is a vital component of the cytoskeletal system in pigs, playing a key role in the regulation of muscle contraction. TPM4 is a member of the tropomyosin family of proteins, which are thin filament-binding proteins found in the muscle fi

bers. These proteins are essential for the proper functioning of muscles by stabilizing the actin filaments and regulating the interaction between actin and myosin during muscle contraction. This protein is particularly important in the context of muscle physiology, as it influences the calcium sensitivity of muscle fibers, thus affecting muscle relaxation and contraction. TPM4's function is crucial for maintaining muscle tone and facilitating movement.

Target	Tropomyosin 4
Gene ID	397608
UniProt ID	P67937

Shipping and Storage

This product is shipped with ice gel packs. Store at -20°C (up to 12 months) on receipt.

Reference

Guo, Qijing, *et al.* "Integrated pan-cancer analysis and experimental verification of the roles of tropomyosin 4 in gastric cancer." *Frontiers in immunology* 14 (2023): 1148056.

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.