

Mouse Anti-Porcine Myosin Light Chain 4 (MYL4) Monoclonal Antibody

Cat. No.: VD8N297

Product Type: Animal-targeted Antibodies

Size: 50uL; 100uL; 150uL

Product Overview

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

Specifications

Application	WB; IHC; IF-P; ELISA; FC
Clonality	Monoclonal
Classification	Primary Antibody
Clone	G6N41
Host	Mouse
Target Species	Porcine
Species Reactivity	Porcine
Specificity	Myosin Light Chain 4
Isotype	IgG2
Immunogen	Recombinant protein of myosin light chain 4
Purification	Protein A Purified
Concentration	1200 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 myosin light chain 4 (MLC4) is a vital component of the myosin molecule, which is essential for muscle contraction in pigs. Myosin, a motor protein, is a key player in the thick filaments of muscle fibers, interacting with actin to generate the force and move

ment required for muscle function. MLC4, as one of the light chains associated with the myosin heavy chain, contributes to the regulation of myosin's activity, particularly in the context of muscle relaxation and contraction. It plays a role in the calcium-dependent activation of the myosin ATPase, which is a critical step in the cross-bridge cycling that leads to muscle contraction.

Target	Myosin Light Chain 4
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Gene ID	100516998
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UniProt ID	F1RRT2
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Shipping and Storage

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

Reference

Ikebe, Mitsuo, *et al.* "Phosphorylation of smooth muscle myosin at two distinct sites by myosin light chain kinase." *Journal of Biological Chemistry* 260.18 (1985): 10027-10031.

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.