

Mouse Anti-Canine Lem Domain Containing 3 (LEMD3) Monoclonal Antibody

Cat. No.: VD11N171

Product Type: Animal-targeted Antibodies

Size: 100 µL

Product Overview

BioVenic mouse monoclonal antibody is specific for canine lem domain containing 3. It can be applied to WB and IP assays of canine lem domain containing 3.

Specifications

Application	WB; IP
Clonality	Monoclonal
Classification	Primary Antibody
Clone	S15N11
Host	Mouse
Target Species	Canine
Species Reactivity	Canine
Specificity	Canine Lem Domain Containing 3
Isotype	IgG1
Immunogen	Recombinant protein of lem domain containing 3
Concentration	0.61 mg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	0.02% Sodium Azide
Buffer	Phosphate Buffered Saline, 1% BSA, 50% Glycerol
Physical State	Liquid

Target Information

Canine lem domain containing 3 (LEMD3) is an integral inner nuclear membrane protein that antagonizes TGFβ-SMAD2/3 signaling in a stiffness-dependent manner, both in the nucleus and cytosol. It plays a role in the regulation of extracellular matrix (ECM) stiffness and TGFβ activation, which are key drivers of pathological fibrosis in multiple organ systems. LEMD3 binds and inactivates the downstream transcription factor partners of TGFβ and BMP, the receptor proteins' mothers against decapentaplegic (Smads) 2 and 3.

nd 3. This protein's interaction with Smads and its role in mechanotransduction make it a significant target for understanding and potentially treating fibrosis and other ECM-related pathologies in dogs.

Target	Canine Lem Domain Containing 3
Target Synonym	LEMD3
Gene ID	608380
UniProt ID	A0A8P0NPA0

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.

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.