

Mouse Anti-Bovine NCX1 Monoclonal Antibody

Cat. No.: VD11N159

Product Type: Animal-targeted Antibodies

Size: 100 µL

Product Overview

BioVenic mouse monoclonal antibody is specific for bovine NCX1. It can be applied to WB, ICC/IF, IHC and IP assays of bovine NCX1.

Specifications

Application	WB; ICC/IF; IHC; IP
Clonality	Monoclonal
Classification	Primary Antibody
Clone	S14N22
Host	Mouse
Target Species	Bovine
Species Reactivity	Bovine
Specificity	Bovine NCX1
Isotype	IgM
Immunogen	Recombinant protein of NCX1
Conjugation	Unconjugated
Preservative and Stabilizer	0.05% Sodium Azide
Buffer	Phosphate Buffered Saline
Physical State	Liquid

Target Information

Bovine NCX1, or the sodium-calcium exchanger, is a crucial membrane protein that plays a significant role in cardiac function by regulating the intracellular calcium levels. It is particularly influential in controlling heart contractility and excitability through its electrogenic properties and the modulation of calcium content. NCX1 moves calcium out of the cell against its gradient by using the electrochemical gradient of sodium as a driving force, which is essential for maintaining the proper functioning of the heart.

Target	Bovine NCX1
Target Synonym	Sodium/calcium exchanger 1; Solute carrier family 8 member 1; SLC8A1
Gene ID	337925
UniProt ID	O97792

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.