

Mouse Anti-Sheep CD1 Monoclonal Antibody

Cat. No.: VD11N655

Product Type: Animal-targeted Antibodies

Size: 100 µg

Product Overview

BioVenic mouse monoclonal antibody is specific for sheep CD1. It can be applied to IHC, IF/ICC, FCM and IP assays of sheep CD 1.

Specifications

Application	IHC; IF/ICC; FCM; IP
Clonality	Monoclonal
Classification	Primary Antibody
Clone	J7N1
Host	Mouse
Target Species	Sheep
Species Reactivity	Sheep
Specificity	Sheep CD1
Isotype	IgG1
Immunogen	Recombinant protein of CD1
Concentration	1 mg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	Sodium Azide
Buffer	Phosphate Buffered Saline
Physical State	Liquid

Target Information

Sheep CD1 is a cell surface molecule that plays a crucial role in the immune system by presenting lipid and glycolipid antigens to T cells in an MHC-independent manner. This function is particularly important in the defense against infections caused by bacteria such as Mycobacterium tuberculosis and M. leprae, where CD1-restricted T cells can recognize and respond to lipid components of the bacterial cell walls.

Target	Sheep CD1
Gene ID	100144425
UniProt ID	W5PBI8

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.