

Mouse Anti-Bovine CD44 Monoclonal Antibody-[FITC]

Cat. No.: VD11N705

Product Type: Animal-targeted Antibodies

Size: 100 µg

Product Overview

BioVenic mouse monoclonal antibody is specific for bovine CD44. It can be applied to FCM assay of bovine CD44.

Specifications

Application	FCM
Clonality	Monoclonal
Classification	Primary Antibody
Clone	J7N51
Host	Mouse
Target Species	Bovine
Species Reactivity	Bovine
Specificity	Bovine CD44
Isotype	IgG1
Immunogen	Recombinant protein of CD44
Concentration	0.1 mg/mL
Conjugation	FITC
Preservative and Stabilizer	Sodium Azide
Buffer	Phosphate Buffered Saline, 1% BSA
Physical State	Liquid

Target Information

Bovine CD44 is a cell surface glycoprotein that plays a significant role in various biological processes, including cell adhesion, migration, and immune responses. It is involved in the interaction with hyaluronic acid and other extracellular matrix components, which are crucial for maintaining tissue integrity and function. In bovine mammary epithelial cells, CD44 has been shown to regulate lipid metabolism, affecting the synthesis of milk fat components such as triglycerides and cholesterol. Additionally, CD44 expression can

be modulated by inflammatory mediators, suggesting its involvement in immune cell activation and tissue remodeling during inflammation.

Target	Bovine CD44
Target Synonym	Extracellular matrix receptor III; ECMR-III; GP90 lymphocyte homing/adhesion receptor; HUTCH-I; Hermes antigen; Hyaluronate receptor
Gene ID	281057
UniProt ID	Q29423

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.

Reference

Chow, Geraldine, *et al.* "Increased expression of CD44 in bovine articular chondrocytes by catabolic cellular mediators." *Journal of Biological Chemistry* 270.46 (1995): 27734-27741.

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.