

Mouse Anti-Equine CD8 Monoclonal Antibody

Cat. No.: VD11N693

Product Type: Animal-targeted Antibodies

Size: 100 µg

Product Overview

BioVenic mouse monoclonal antibody is specific for equine CD8. It can be applied to IHC, FCM and IP assays of equine CD8.

Specifications

Application	IHC; FCM; IP
Clonality	Monoclonal
Classification	Primary Antibody
Clone	J7N39
Host	Mouse
Target Species	Equine
Species Reactivity	Equine
Specificity	Equine CD8
Isotype	IgG1
Immunogen	Recombinant protein of CD8
Concentration	1 mg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	Sodium Azide
Buffer	Phosphate Buffered Saline
Physical State	Liquid

Target Information

Equine CD8 is a critical co-receptor expressed on a subset of T lymphocytes, primarily involved in the immune response against intracellular pathogens and tumor cells. It functions as a co-receptor with the T cell receptor (TCR) to recognize antigens presented by major histocompatibility complex class I (MHC-I) molecules. This interaction is essential for the activation of cytotoxic T lymphocytes (CTLs), which play a significant role in eliminating infected cells and maintaining immune surveillance. In horses, CD8⁺ T cells are

re crucial for defense against viral infections such as equine herpesvirus type 1, where they contribute to the clearance of the virus through the production of interferon-gamma and cytotoxic activity.

Target	Equine CD8
Target Synonym	T-cell surface glycoprotein CD8
Gene ID	100066774
UniProt ID	F7BJE5

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.