

Mouse Anti-Bovine Aminopeptidase N (ANPEP) Monoclonal Antibody

Cat. No.: VD11N382

Product Type: Animal-targeted Antibodies

Size: 100 µg

Product Overview

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

Specifications

Application	FCM
Clonality	Monoclonal
Classification	Primary Antibody
Clone	D25N14
Host	Mouse
Target Species	Bovine
Species Reactivity	Bovine
Specificity	Bovine Aminopeptidase N
Isotype	IgG1
Immunogen	Recombinant protein of aminopeptidase N
Concentration	1 mg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	Sodium Azide
Buffer	Phosphate Buffered Saline
Physical State	Liquid

Target Information

Bovine aminopeptidase N (APN), also known as CD13, is a membrane-bound metalloprotease that plays a crucial role in the hydrolysis of peptides in the extracellular space. It is involved in the regulation of various physiological processes, including the metabolism of bioactive peptides, immune response, and cell adhesion. APN is known to cleave peptides after neutral amino acids and is implicated in the degradation of peptides involved in pain sensation, mood disorders, and blood pressure regulation. Additionally, it

has been identified as a receptor for viral infections and as a participant in phagocytic processes in immune cells, such as dendritic cells and macrophages.

Target	Bovine Aminopeptidase N
Target Synonym	ANPEP
Gene ID	404191
UniProt ID	P79098

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.