

Mouse Anti-Bovine CD80 Monoclonal Antibody-[PE]

Cat. No.: VD11N710

Product Type: Animal-targeted Antibodies

Product Overview

BioVenic mouse monoclonal antibody is specific for bovine CD80. It can be applied to FCM assay of bovine CD80.

Specifications

Application	FCM
Clonality	Monoclonal
Classification	Primary Antibody
Clone	J7N56
Host	Mouse
Target Species	Bovine
Species Reactivity	Bovine
Specificity	Bovine CD80
Isotype	IgG1
Immunogen	Recombinant protein of CD80
Conjugation	PE
Preservative and Stabilizer	Sodium Azide
Buffer	Phosphate Buffered Saline, 1% BSA
Physical State	Lyophilized

Target Information

Bovine CD80, also known as B7-1, is a co-stimulatory molecule expressed on the surface of antigen-presenting cells such as dendritic cells, activated macrophages, and activated B cells. It plays a crucial role in T cell activation by interacting with the T cell receptor CD28 and the inhibitory receptor CTLA-4 (CD152) on T cells. This interaction provides the necessary co-stimulatory signals for T cell proliferation and differentiation, enhancing the immune response.

Target	Bovine CD80
Gene ID	407131

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

Suvas, Susmit, *et al.* "Distinct role of CD80 and CD86 in the regulation of the activation of B cell and B cell lymphoma." *Journal of Biological Chemistry* 277.10 (2002): 7766-7775.

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.