

Mouse Anti-Chicken CD45 Monoclonal Antibody-[PE]

Cat. No.: VD7N249

Product Type: Animal-targeted Antibodies

Size: 0.1 mg

Product Overview

BioVenic mouse monoclonal antibody is specific for chicken CD45. It can be applied to FCM, IHC and IP assays of chicken CD45.

Specifications

Application	FCM; IHC; IP
Clonality	Monoclonal
Classification	Primary Antibody
Clone	L10N63
Host	Mouse
Target Species	Chicken
Species Reactivity	Chicken
Specificity	Chicken CD45
Isotype	IgM
Immunogen	Chicken bursal lymphocytes
Purity	> 90%
Concentration	0.1 mg/mL
Conjugation	PE
Preservative and Stabilizer	< 0.1% Sodium Azide
Buffer	Phosphate Buffered Saline with Stabilizer
Physical State	Liquid

Target Information

Chicken CD45, also known as leukocyte common antigen, is a protein tyrosine phosphatase expressed on the surface of various cells in the avian immune system, including T and B lymphocytes. It plays a pivotal role in the regulation of immune cell activation, development, and function by modulating signaling pathways. As a critical component of the immune response in chickens, CD45 is

involved in diverse cellular processes such as cell division, cell growth, and the maintenance of immune homeostasis. It is particularly important for the proper functioning of the adaptive immune system, where it contributes to the activation of T cells and B cells by dephosphorylating inhibitory tyrosine residues on signaling molecules.

Target	Chicken CD45
Gene ID	386580

Shipping and Storage

This product is shipped with ice gel packs. Store at 2°C - 8°C (up to 12 months) on receipt. Avoid exposure to light and do not freeze.

Reference

Härtle, Sonja, *et al.* "Delineation of chicken immune markers in the era of omics and multicolor flow cytometry." *Frontiers in Veterinary Science* 11 (2024): 1385400.

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.