

Mouse Anti-Chicken IgY Monoclonal Antibody-[HRP]

Cat. No.: VD7N505

Product Type: Animal-targeted Antibodies

Size: 1mL

Product Overview

BioVenic mouse monoclonal antibody is specific for chicken IgY. It can be applied to WB, IHC and ELISA assays of chicken IgY.

Specifications

Application	WB; IHC; ELISA
Clonality	Monoclonal
Classification	Labeled Antibody
Clone	L15N12
Host	Mouse
Target Species	Chicken
Species Reactivity	Chicken
Specificity	Chicken IgY
Purity	> 90%
Concentration	1 mg/mL
Conjugation	HRP
Preservative and Stabilizer	Proclin 300
Buffer	0.01M Phosphate Buffered Saline, 0.5% Bovine Serum Albumin and 50% Glycerol
Physical State	Liquid

Target Information

Chicken IgY, or immunoglobulin Y, is the primary antibody found in the egg yolk of chickens. It is functionally analogous to mammalian IgG and plays a significant role in the avian immune system. IgY is produced in response to various antigens, including bacteria, viruses, and parasites, and provides long-term immunity to the host. This immunoglobulin is of considerable interest due to its potential applications in medical and biotechnological fields. The presence of IgY in egg yolks offers a practical and abundant source for the extraction of these antibodies, which can be used for passive immunization, diagnostics, and therapeutics.

Shipping and Storage

This product is shipped with wet ice packs. Store at -20°C on receipt (up to 12 months). Avoid exposure to light. Avoid repeated freezing and thawing as this may denature the antibody.

Reference

Sarrigeorgiou, Ioannis, *et al.* "Levels of Circulating IgM and IgY Natural Antibodies in Broiler Chicks: Association with Genotype and Farming Systems." *Biology* 12.2 (2023): 304.

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.