

Mouse Anti-Chicken IgA Monoclonal Antibody-[Biotin]

Cat. No.: VD7N312

Product Type: Animal-targeted Antibodies

Size: 0.5 mg

Product Overview

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

Specifications

Application	FCM; IHC; IP; ELISA
Clonality	Monoclonal
Classification	Primary Antibody
Clone	L11N51
Host	Mouse
Target Species	Chicken
Species Reactivity	Chicken
Specificity	Chicken IgA
Isotype	IgG2
Immunogen	Chicken Ig or isolated lymphocytes
Purity	> 90%
Concentration	0.5 mg/mL
Conjugation	Biotin
Preservative and Stabilizer	< 0.1% Sodium Azide
Buffer	Phosphate Buffered Saline
Physical State	Liquid

Target Information

Chicken IgA, or avian immunoglobulin A, is a type of antibody found in chickens that plays a crucial role in mucosal immunity. IgA is particularly important as it is the primary immunoglobulin present at mucosal surfaces, such as the gastrointestinal, respiratory, and

reproductive tracts, as well as in secretions like saliva, tears, and milk. This antibody is effective in neutralizing pathogens and toxins at the mucosal barriers, preventing their entry into the body. Chicken IgA is produced by plasma cells in response to antigen stimulation and is often found in the form of dimeric or polymeric IgA, which is stabilized by the joining (J) chain and secretory component for enhanced stability and function in mucosal secretions.

Target

Chicken IgA

Shipping and Storage

This product is shipped with ice gel packs. Store at 2°C - 8°C (up to 12 months) on receipt.

Reference

Liu, Juan, *et al.* "Decreased IgA+ B cells population and IgA, IgG, IgM contents of the cecal tonsil induced by dietary high fluorine in broilers." *International Journal of Environmental Research and Public Health* 10.5 (2013): 1775-1785.

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.