

Mouse Anti-Chicken Interferon Gamma (IFN γ) Monoclonal Antibody

Cat. No.: VD11N350

Product Type: Animal-targeted Antibodies

Size: 100 μ L; 200 μ L; 1 mL

Product Overview

BioVenic mouse monoclonal antibody is specific for chicken interferon gamma. It is affinity purified by protein A. It can be applied to WB, IHC and IF/ICC assays of chicken interferon gamma.

Specifications

Application	WB; IHC; IF/ICC
Clonality	Monoclonal
Classification	Primary Antibody
Clone	D23N22
Host	Mouse
Target Species	Chicken
Species Reactivity	Chicken
Specificity	Chicken Interferon Gamma
Immunogen	Recombinant protein of interferon gamma
Purification	Protein A Purified
Conjugation	Unconjugated
Preservative and Stabilizer	0.05% Proclin 300
Buffer	0.01M Phosphate Buffered Saline, pH 7.4, 50% Glycerol
Physical State	Liquid

Target Information

Chicken interferon gamma (IFN- γ) is a vital immunoregulatory cytokine that plays a significant role in the avian immune response, particularly in controlling microbial infections. It is known to upregulate following avian influenza virus (AIV) infection in specific pathogen-free chickens, indicating its involvement in antiviral defense mechanisms. The pre-immune state induced by chIFN- γ can generate an antiviral response against influenza virus, inhibiting the replication of viral RNA and reducing the infectious virus load in chicken embryo fibroblasts. Furthermore, chIFN- γ stimulates the expression of type I IFNs and IFN-stimulated genes (ISGs), enhancing

g the overall antiviral state against influenza virus infection. This cytokine is essential for both innate and adaptive immune responses against viral infections in chickens, highlighting its importance as a target in avian immunology and disease management.

Target	Chicken Interferon Gamma
Target Synonym	IFNG; IFN-gamma
Gene ID	100529652
UniProt ID	P49708

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.