

Mouse Anti-Chicken TCR $\gamma\delta$ Monoclonal Antibody-[PE]

Cat. No.: VD7N238

Product Type: Animal-targeted Antibodies

Size: 0.1 mg

Product Overview

BioVenic mouse monoclonal antibody is specific for chicken TCR $\gamma\delta$. It can be applied to FCM, IHC and IP assays of chicken TCR $\gamma\delta$.

Specifications

Application	FCM; IHC; IP
Clonality	Monoclonal
Classification	Primary Antibody
Clone	L10N52
Host	Mouse
Target Species	Chicken
Species Reactivity	Chicken
Specificity	Chicken TCR $\gamma\delta$
Isotype	IgG1
Immunogen	Outbred chicken thymocytes and Ig-negative blood 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 T cell receptor gamma delta (cTCR $\gamma\delta$) is a unique isoform of the T cell receptor (TCR) found on the surface of $\gamma\delta$ T cells in chickens. These cells are a subset of T lymphocytes that possess a distinct TCR composed of γ (gamma) and δ (delta) chains, as

opposed to the more common α (alpha) and β (beta) chains found on $\alpha\beta$ T cells. The cTCR $\gamma\delta$ is involved in the recognition of non-peptide antigens, such as phospholipids and small metabolites, which are presented by non-classical MHC molecules. This allows $\gamma\delta$ T cells to respond rapidly to certain pathogens and to participate in innate-like immune responses. They also contribute to tissue homeostasis and have been implicated in mucosal immunity

Target	Chicken TCR $\gamma\delta$
Target Synonym	T3/TCR complex; TCR gamma/delta

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

Hearn, Cari J., *et al.* "Contribution of the TCR β Repertoire to Marek's Disease Genetic Resistance in the Chicken." *Viruses* 15.3 (2023): 607.

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.