

Mouse Anti-Porcine T-Complex Protein 1 Subunit Beta (CCT2) Monoclonal Antibody

Cat. No.: VD8N349

Product Type: Animal-targeted Antibodies

Size: 50uL; 100uL; 150uL

Product Overview

BioVenic mouse monoclonal antibody is specific for T-complex protein 1 subunit beta. It is affinity purified by protein A. It can be applied to WB, IF and ELISA assays of T-complex protein 1 subunit beta.

Specifications

Application	WB; IF; ELISA
Clonality	Monoclonal
Classification	Primary Antibody
Clone	G8N2
Host	Mouse
Target Species	Porcine
Species Reactivity	Porcine
Specificity	T-Complex Protein 1 Subunit Beta
Isotype	IgG1
Immunogen	Recombinant protein of T-complex protein 1 subunit beta
Purification	Protein A Purified
Concentration	1000 µg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	0.02% Sodium Azide
Buffer	Phosphate Buffered Saline with 50% Glycerol, pH 7.3
Physical State	Liquid

Target Information

Porcine T-Complex Protein 1 Subunit Beta (CCT2), also known as the beta subunit of the chaperonin-containing TCP-1 (CCT) complex, is a crucial component of the CCT chaperonin system. This complex plays a vital role in assisting the folding of actin and tubul

in, two major components of the cytoskeleton, which are essential for maintaining cell shape, facilitating intracellular transport, and cell division. CCT2, as part of the CCT complex, is highly conserved across species, reflecting its fundamental importance in cellular physiology. It contributes to the folding and assembly of newly synthesized proteins, particularly those with complex structures, and helps in the refolding of misfolded proteins, thus preventing the aggregation that can lead to cellular stress and disease.

Target	T-Complex Protein 1 Subunit Beta
Target Synonym	99D8.1; CCT beta
Gene ID	100157776
UniProt ID	D0G0C8

Shipping and Storage

This product is shipped with ice gel packs. Store at -20°C (up to 12 months) on receipt.

Reference

Chen, Hui, *et al.* "Chaperonin-containing T-complex protein 1 subunit ζ serves as an autoantigen recognized by human V δ 2 $\gamma\delta$ T cells in autoimmune diseases." *Journal of Biological Chemistry* 291.38 (2016): 19985-19993.

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