

Mouse Anti-Swine CD282 Monoclonal Antibody

Cat. No.: VD10H32

Product Type: Animal-targeted Antibodies

Size: 0.1 mg; 0.5 mg; 1 mg

Product Overview

O12H32 monoclonal antibody is specific for Swine CD282, also known as Swine TLR2. It was purified by affinity chromatography on Protein A from tissue culture supernatant. It can be applied for Flow Cytometry(FC).

Specifications

Application	FC
Clonality	Monoclonal Antibody
Classification	Primary Antibody
Clone	O12H32
Host	Mouse
Target Species	Swine
Species Reactivity	Swine
Specificity	Swine CD282
Isotype	IgG1
Immunogen	NIH/3T3 mouse cells transfected with plasmid pTLR2-GFP, encoding the swineTLR2 tagged with the green fluorescent protein (GFP) on the carboxy-terminal end
Purification	Protein A Purified
Purity	≥ 90% (SDS-PAGE)
Concentration	1.0 mg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	0.09% Sodium azide (NaN ₃)
Buffer	Phosphate buffered saline
Physical State	Liquid

Target Information

Cluster of differentiation 282 (CD282), also known as toll-like receptor (TLR2) is a membrane bound TLR that responds to gram positive bacterial cell wall components to provoke an immune response including lipoproteins of bacteria and mycoplasma. Swine CD 282 plays an important role in ligand-specific transcytosis and transport in M cells.

Target	Swine CD282
Target Synonym	TLR2; TIL4; toll like receptor 2
Gene ID	396623
UniProt ID	Q59HI8

Shipping and Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt (up to 12 months).

User Note

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Reference

Muneta, Yoshihiro, *et al.* "Porcine TLR2 and TLR6: identification and their involvement in Mycoplasma hyopneumoniae infection." *Journal of interferon & cytokine research* 23.10 (2003): 583-590.

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.