

Mouse Anti-Swine SIGLEC-5 Monoclonal Antibody

Cat. No.: VD10H34

Product Type: Animal-targeted Antibodies

Size: 0.1 mg; 0.5 mg; 1 mg

Product Overview

O12H34 monoclonal antibody is specific for Swine SIGLEC-5, also known as Swine CD170. 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	O12H34
Host	Mouse
Target Species	Swine
Species Reactivity	Swine
Specificity	Swine SIGLEC-5
Isotype	IgG1
Immunogen	Recombinant protein consisting of the extracellular portion of swine Siglec-5 fused to the Fc portion of human IgG1 (pSiglec- 5-Fc)
Purification	Protein A Purified
Purity	≥ 90% (SDS-PAGE)
Concentration	0.05 mg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	0.09% Sodium azide (NaN ₃) 1% Bovine Serum Albumin
Buffer	Phosphate buffered saline
Physical State	Liquid

Target Information

Cluster of differentiation 170 (CD170), also known as Sialic acid-binding Ig-like lectin 5 (SIGLEC-5) is a bacterial ligand that can reduce the production of cytokines and cytolytic molecules by activated primary T cells in a Siglec-5 dependent manner. Swine CD170 is expressed on myeloid cells and their precursors, and at low levels on plasmacytoid dendritic cells. CD170 plays an important role in mediating inhibitory signaling in the absence of immunoreceptor tyrosine-based inhibitory motif phosphorylation.

Target	Swine SIGLEC-5
Target Synonym	SIGLEC5; CD170; CD33L2; OB-BP2; OBBP2; sialic acid binding Ig like lectin 5
Gene ID	100514653
UniProt ID	F1RP86

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

Álvarez, Belén, *et al.* "Porcine Macrophage Markers and Populations: An Update." *Cells* 12.16 (2023): 2103.

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.