

Mouse Anti-Swine CD18 Monoclonal Antibody

Cat. No.: VD10H13

Product Type: Animal-targeted Antibodies

Size: 0.1 mg; 0.5 mg; 1 mg

Product Overview

O10H13 monoclonal antibody is specific for Swine CD18, also known as Swine ITGB2 or LFA-1. It was purified by affinity chromatography on Protein G from tissue culture supernatant. It can be applied for Flow Cytometry (FC); Functional Assays (FN) and Immuno precipitation (IP).

Specifications

Application	FC; FN; IP
Clonality	Monoclonal Antibody
Classification	Primary Antibody
Clone	O10H13
Host	Mouse
Target Species	Swine
Species Reactivity	Swine; Camel
Specificity	Swine CD18a
Isotype	IgG1
Immunogen	Swine large granular lymphocytes
Purification	Protein G 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 18 (CD18) is the most recently defined member of the leukocyte integrin family and is expressed on tissue macrophages, dendritic cells, and eosinophils and binds to ICAM-3 and vascular cell adhesion molecule-I (VCAM-I). CD18 plays a critical role in cell such as, cell adhesion, trafficking and T cell effector function. CD 18 gene expression by porcine alveolar macrophages appears not to be regulated by human proinflammatory cytokines.

Target	Swine CD18
Target Synonym	ITGB2; LAD; LCAMB; LFA-1; MAC-1; MF17; MFI7; integrin subunit beta 2
Gene ID	396943
UniProt ID	Q9BEA8

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

Bergh, Philippe GAC Vanden, *et al.* "The wild boar (*Sus scrofa*) Lymphocyte function-associated antigen-1 (CD11a/CD18) receptor: cDNA sequencing, structure analysis and comparison with homologues." *BMC Veterinary Research* 3 (2007): 1-12.

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.