

ARG42346 anti-CD146 antibody [P1H12] (PE)

Package: 50 tests
Store at: 4°C

Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [P1H12] recognizes CD146
Tested Reactivity	Hu, Ms, Dog, Rb
Species Does Not React With	Rat
Tested Application	FACS
Specificity	The mouse monoclonal antibody P1H12 recognizes an extracellular epitope of CD146, a 118 kDa transmembrane glycoprotein expressed on epithelial and endothelial cells, fibroblasts, multipotent mesenchymal stromal cells, melanoma cells, activated T cells and activated keratinocytes.
Host	Mouse
Clonality	Monoclonal
Clone	P1H12
Isotype	IgG1
Target Name	CD146
Species	Human
Immunogen	Cultured Human umbilical cells.
Conjugation	PE
Alternate Names	Cell surface glycoprotein P1H12; Melanoma-associated antigen A32; Melanoma-associated antigen MUC18; Cell surface glycoprotein MUC18; Melanoma cell adhesion molecule; CD146; MUC18; CD antigen CD146; S-endo 1 endothelial-associated antigen

Application Instructions

Application table	Application	Dilution
	FACS	10 µl / 100 µl of whole blood or 10 ⁶ cells
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified
Buffer	PBS and 15 mM Sodium azide.
Preservative	15 mM Sodium azide
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	MCAM
Gene Full Name	melanoma cell adhesion molecule
Function	Plays a role in cell adhesion, and in cohesion of the endothelial monolayer at intercellular junctions in vascular tissue. Its expression may allow melanoma cells to interact with cellular elements of the vascular system, thereby enhancing hematogeneous tumor spread. Could be an adhesion molecule active in neural crest cells during embryonic development. Acts as surface receptor that triggers tyrosine phosphorylation of FYN and PTK2/FAK1, and a transient increase in the intracellular calcium concentration. [UniProt]
Calculated Mw	72 kDa
Cellular Localization	Membrane; Single-pass type I membrane protein. [UniProt]