

ARG42346 anti-CD146 antibody [P1H12] (PE)

Package: 50 tests

Store at: 4°C

Summary

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| 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 | <table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>FACS</td><td>10 µl / 100 µl of whole blood or 10⁶ cells</td></tr></tbody></table> | Application | Dilution | FACS | 10 µl / 100 µl of whole blood or 10 ⁶ cells |
|-------------------|---|-------------|----------|------|--|
| 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

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|---------------------|--|
| 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

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|------------------------------|---|
| 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] |