

30-2651: Anti-Human CD146 PerCP (Clone : P1H12)

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| Clonality : | Monoclonal |
| Clone Name : | P1H12 |
| Application : | FACS |
| Reactivity : | Rabbit, Mouse, Human |
| Conjugate : | PerCP |
| Gene : | MCAM |
| Gene ID : | 4162 |
| Alternative Name : | MeICAM, MCAM, MUC18, melanoma cell adhesion molecule |
| Isotype : | Mouse IgG1 |
| Immunogen Information : | cultured human umbilical cells |

Description

CD146, also known as MCAM (melanoma cell adhesion molecule) or MUC18, is a heavily glycosylated transmembrane glycoprotein with more than 50% of the mass from carbohydrates. It is expressed on epithelial and endothelial cells, fibroblasts, multipotent mesenchymal stromal cells, activated T cells and activated keratinocytes, and on some cancer cells, especially melanoma. The presence of CD146 on circulating blood cells has been confined to the activated T cells rather than circulating endothelial cells. CD146 mediates heterophilic cell adhesion and regulates monocyte transendothelial migration.

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.

Product Info

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| Amount : | 100 tests |
| Purification : | The purified antibody is conjugated with PerCP under optimum conditions. The conjugate is purified by size-exclusion chromatography. |
| Content : | Formulation : Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide |
| Storage condition : | Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. |

Application Note

Flow cytometry: The reagent is designed for analysis of human blood cells using 10 μ l reagent / 100 μ l of whole blood or 10^6 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.