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30-1566AF488: Anti-CD146 Monoclonal Antibody (Clone:P1H12)-Alexa Fluor 488

Clone Name: Monoclonal P1H12
Application: FACS

Reactivity: Dog, Mouse, Human, Rabbit

Conjugate: FITC

Gene: MCAM

Gene ID: 4162

Uniprot ID: P43121

Alternative Name: MCAM,MUC18
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.

Product Info

Amount: 100 tests

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 4 μ l reagent / 100 μ l of whole blood or 106 cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.

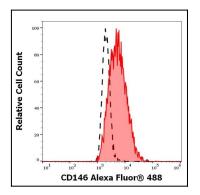


Figure 1: Separation of cell stained using anti- h CD146 PE antibody from cell stained using mouse IgG1 isotype control in flow cytometry analysis of HUVEC cell suspension