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

Clonality :	Monoclonal
Clone Name :	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 µl reagent / 100 µl of whole blood or 10_6 cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.

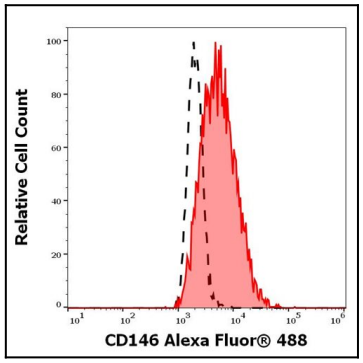


Figure 1: Separation of cell stained using anti- h CD146 PE antibody from cell stained using mouse IgG1 isotype control in flow cytometry analysis of HUVEC cell suspension

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