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

Clonality :	Monoclonal
Clone Name :	P1H12
Application :	FACS
Reactivity :	Dog,Mouse,Human,Rabbit
Gene :	MCAM
Gene ID :	4162
Alternative Name :	MelCAM, 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

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 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

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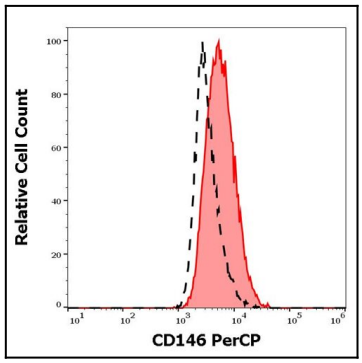

Figure 1: Separation of HUVEC cells stained using anti-human CD146 PerCP antibody from HUVEC cells stained using mouse IgG1 isotype control PerCP antibody in flow cytometry analysis of HUVEC cell suspension.