

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	P1H12
<b>Application :</b>	FACS
<b>Reactivity :</b>	Dog,Mouse,Human,Rabbit
<b>Gene :</b>	MCAM
<b>Gene ID :</b>	4162
<b>Alternative Name :</b>	MeICAM, MCAM, MUC18,melanoma cell adhesion molecule
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	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

<b>Amount :</b>	100 tests
<b>Purification :</b>	The purified antibody is conjugated with PerCP under optimum conditions. The conjugate is purified by size-exclusion chromatography.
<b>Content :</b>	Formulation : Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
<b>Storage condition :</b>	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<sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

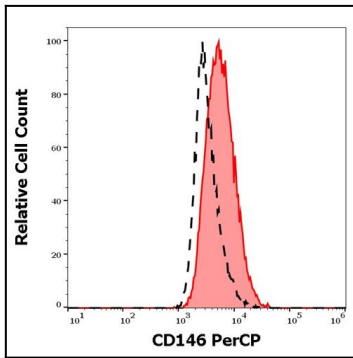


Figure 1: Separation of HUVEC cells stained using anti-human CD146 PerCP antibody from HUVEC cells stained using mouse IgG1 isotype control PerCP antibody in flow cytometry analysis of HUVEC cell suspension.