

Technical Data Sheet

Product **Anti-Hu CD146 PE-Cy™7**
Cat. Number/Size **T7-783-T100** **100 tests**
For Research Use Only.
Not for use in diagnostic or therapeutic procedures.

Antigen	CD146
Clone	P1H12
Format	PE-Cy™7
Reactivity	Rabbit, Dog, Mouse, Human
Negative species	Rat
Application	FC (QC tested)
Application details	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.
Excitation laser	blue (488 nm)
Isotype	Mouse IgG1
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.
Other names	MeICAM, MCAM, MUC18
Workshop	HLDA VIII
Immunogen	cultured human umbilical cells
Entrez Gene ID	4162
Gene name	MCAM
NCBI Full Gene Name	melanoma cell adhesion molecule
UniProt ID	P43121

Preparation	Purified antibody is conjugated with activated tandem dye of R-phycoerythrin-cyanine 7 (PE-Cy™7) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Formulation	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage and handling	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Images and References www.exbio.cz

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