

Technical Data Sheet

Product **Anti-Hu CD144 PE-Cy™5**
Cat. Number/Size **T8-770-T100** **100 tests**
For Research Use Only.
Not for use in diagnostic or therapeutic procedures.

Antigen	CD144
Clone	55-7H1
Format	PE-Cy™5
Reactivity	Human
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 kappa
Specificity	The mouse monoclonal antibody 55-7H1 recognizes a calcium-independent extracellular epitope on CD144 (VE-cadherin, cadherin 5), an adhesion molecule expressed on endothelial cells.
Other names	Cadherin 5, CDH5, 7B4, VE-cadherin
Workshop	HLDA VI: WS code E092
Immunogen	Human endothelial cells
Entrez Gene ID	1003
Gene name	CDH5
NCBI Full Gene Name	cadherin 5
UniProt ID	P33151

Preparation	Purified antibody is conjugated with activated tandem dye of R-phycoerythrin-cyanine 5 (PE-Cy™5) 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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