

Technical Data Sheet

Product **Anti-Hu CD140a PE-Cy™7**
Cat. Number/Size **T7-589-T100** **100 tests**
For Research Use Only.
Not for use in diagnostic or therapeutic procedures.

Antigen	CD140a
Clone	16A1
Format	PE-Cy™7
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 16A1 recognizes an extracellular epitope of CD140a / PDGF-RA, the 170 kDa alpha chain of platelet-derived growth factor receptor, which is widely expressed on a variety of mesenchymal-derived cells and plays pro-proliferative or anti-proliferative roles in various tumours.
Other names	PDGFRA, PDGFR2
Workshop	HLDA VI: WS Code E022
Immunogen	CD140a-transfected NIH 3T3 cells
Entrez Gene ID	5156
Gene name	PDGFRA
NCBI Full Gene Name	platelet derived growth factor receptor alpha
UniProt ID	P16234

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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