

Technical Data Sheet

Product	Anti-Hu CD31 Pacific Orange™
Cat. Number/Size	PO-273-T100 100 tests
	For Research Use Only.
	Not for use in diagnostic or therapeutic procedures.

Antigen	CD31
Clone	MEM-05
Format	Pacific Orange™
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	violet (405 nm)
Isotype	Mouse IgG1
Specificity	The antibody MEM-05 reacts with an extracellular epitope of CD31 (PECAM-1), a 130-140 kDa type I transmembrane glycoprotein expressed on monocytes, platelets, granulocytes, endothelial cells and stem cells of the myeloid lineage.
Other names	PECAM-1, EndoCAM, GPIIA, PECA1
Immunogen	Leukocytes of a patient suffering from LGL-type leukaemia
Entrez Gene ID	5175
Gene name	PECAM1
NCBI Full Gene Name	platelet and endothelial cell adhesion molecule 1
UniProt ID	P16284

Preparation	Purified antibody is conjugated with Pacific Orange™ NHS ester 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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