

Technical Data Sheet

Product	<b>Anti-Hu CD105 Pacific Blue™</b>	
Cat. Number/Size	<b>PB-298-T025</b>	<b>25 tests</b>
	<b>PB-298-T100</b>	<b>100 tests</b>
	<b>For Research Use Only.</b>	
	<b>Not for use in diagnostic or therapeutic procedures.</b>	

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Antigen	CD105
Clone	MEM-226
Format	Pacific Blue™
Reactivity	Rat, 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 <sup>6</sup> cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.
Excitation laser	violet (405 nm)
Isotype	Mouse IgG2a
Specificity	The antibody MEM-226 reacts with an extracellular epitope of CD105 (Endoglin), a 90 kDa type I homodimerizing membrane glycoprotein expressed on vascular endothelial cells (small and large vessels), activated monocytes and tissue macrophages, stromal cells of certain tissues including bone marrow, pre-B lymphocytes in fetal marrow and erythroid precursors in fetal and adult bone marrow; it is also present on syncytiotrophoblast on placenta throughout pregnancy.
Other names	Endoglin, END, ENG, HHT1, ORW1
Immunogen	Recombinant <i>Vaccinia</i> virus containing the human CD105 cDNA.
Entrez Gene ID	2022
Gene name	ENG
NCBI Full Gene Name	endoglin
UniProt ID	P17813

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Preparation	Purified antibody is conjugated with Pacific Blue™ 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.

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Images and References [www.exbio.cz](http://www.exbio.cz)

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