



Technical Data Sheet

Product	Anti-Hu CD105 PE	
Cat. Number/Size	1P-453-T025	25 tests
	1P-453-T100	100 tests
For Research Use Only.		
Not for use in diagnostic or therapeutic procedures.		
Antigen	CD105	
Clone	MEM-229	
Format	PE	
Reactivity	Pig, Human	
Negative species	Dog, Horse	
Application	FC (QC tested)	
Application details	Flow cytometry: The reagent is designed for analysis of human blood cells using 20 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.	
Excitation laser	blue (488 nm)	
Isotype	Mouse IgG2a	
Specificity	The antibody MEM-229 recognizes an extracellular epitope of CD105 (Endoglin), a 90 kDa type I integral membrane homodimer 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 (L-isoform) cDNA.	
Entrez Gene ID	2022	
Gene name	ENG	
NCBI Full Gene Name	endoglin	
UniProt ID	P17813	
Preparation	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. 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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