.EXBIO Praha, a.s. • Nad Safinou II 341 • 252 50 Vestec • Czech Republic
info@exbio.cz • technical@exbio.cz • orders@exbio.cz • www.exbio.cz

Technical Data Sheet

Product	**Anti-Hu CD105 PerCP-Cy™5.5**
Cat. Number/Size	**T9-453-T025** **25 tests** **T9-453-T100** **100 tests**
	For Research Use Only.
	Not for use in diagnostic or therapeutic procedures.

Antigen	CD105
Clone	MEM-229
Format	PerCP-Cy™5.5
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 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 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 *Vaccinia* 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 activated tandem dye of activated Peridinin-Chlorophyll Protein-Cyanine 5.5 (PerCP-Cy™5.5) 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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