



Technical Data Sheet

Product	Anti-Hu CD105 Alexa Fluor® 488	
Cat. Number/Size	A4-453-T100	100 tests
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	

Antigen	CD105
Clone	MEM-229
Format	Alexa Fluor® 488
Reactivity	Pig, Human
Negative species	Dog, Horse
Application	ICC, FC (QC tested), IHC-F
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 <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 Alexa Fluor® 488 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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