



	Technical Data Sheet	
Product	Anti-Hu CD105 Biotin	
Cat. Number/Size	1B-453-C025	0.025 mg
	1B-453-C100	0.1 mg
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	
Antigen	CD105	
Clone	MEM-229	
Format	Biotin	
Reactivity	Pig, Human	
Negative species	Dog, Horse	
Application	FC (QC tested), WB, IHC-F, ICC	
Application details	Flow cytometry: Recommended dilution: 8 µg/ml; positive control: Kg1 human acute myelogenous leukemia cell line.	
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	
Concentration	1 mg/ml	
Preparation	Purified antibody is conjugated with biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin 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. Do not freeze.	
Images and References	www.exbio.cz	

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