



	Technical Data Sheet	
Product	Anti-Hu CD4 Purified Azide Free	
Cat. Number/Size	10-203-C025	0.025 mg
	10-203-C100	0.1 mg
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	
Antigen	CD4	
Clone	MEM-115	
Format	Purified Azide Free	
Reactivity	Human	
Application	FC (QC tested), IP, FUNC	
Application details	Functional application: The antibody MEM-115 blocks binding of HIV gp120 to CD4 molecule and it also strongly inhibits CD4-MHC Class II interactions. Immunoprecipitation: Excellent. Flow cytometry: Recommended dilution: 3 µg/ml. Although it has not been tested rigorously, following data suggest that the antibody MEM-115 is a low-affinity antibody: its binding to T cells increases at elevated temperature, monovalent Fab fragments essentially do not bind to T cells.	
Isotype	Mouse IgG2a	
Specificity	The antibody MEM-115 recognizes an extracellular epitope in the D1 domain of CD4 antigen, a 55 kDa transmembrane glycoprotein expressed on a subset of T lymphocytes ("helper" T cells) and also on monocytes, tissue macrophages and granulocytes. It is negative in Western blotting even with non-reduced samples of cell lysates.	
Other names	T4/Leu-3, L3T4	
Workshop	HLDA V: WS Code T T-CD04.09	
Immunogen	Human thymocytes and T lymphocytes.	
Entrez Gene ID	920	
Gene name	CD4	
NCBI Full Gene Name	CD4 molecule	
UniProt ID	P01730	
Concentration	1 mg/ml	
Preparation	Purified by protein-A affinity chromatography.	
Formulation	Phosphate buffered saline (PBS), pH 7.4	
Storage and handling	Store at 2-8°C. Do not freeze.	
Images and References	www.exbio.cz	

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