



Technical Data Sheet

Product	Anti-Hu CD45 Alexa Fluor® 488	
Cat. Number/Size	A4-222-T025	25 tests
	A4-222-T100	100 tests
For Research Use Only.		
Not for use in diagnostic or therapeutic procedures.		

Antigen	CD45
Clone	MEM-28
Format	Alexa Fluor® 488
Reactivity	Human
Negative species	Horse
Application	FC (QC tested), WB, ICC
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 IgG1
Specificity	The antibody MEM-28 reacts with an extracellular epitope on all alternative forms of human CD45 antigen (Leukocyte Common Antigen), a 180-220 kDa single chain type I transmembrane protein expressed at high level on all cells of hematopoietic origin, except erythrocytes and platelets.
Other names	LCA, T200, LY5, B220, GP180, TPC
Workshop	HLDA III: WS Code NL 833a
Immunogen	Human thymocytes and T lymphocytes.
Entrez Gene ID	5788
Gene name	PTPRC
NCBI Full Gene Name	protein tyrosine phosphatase receptor type C
UniProt ID	P08575

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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