



Technical Data Sheet

Product	Anti-Hu CD45 Alexa Fluor® 488		
Cat. Number/Size	A4-160-T100	100 tests	
	For Research Use Only.		
	Not for use in diagnostic or therapeutic procedures.		
Antigen	CD45		
Clone	2D1		
Format	Alexa Fluor® 488		
Reactivity	Human		
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 IgG1 kappa		
Specificity	The mouse monoclonal antibody 2D1 reacts with an extracellular epitope of 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 from erythrocytes and platelets.		
Other names	LCA, T200, LY5, B220, GP180, TPC		
Workshop	HLDA III		
Immunogen	Human peripheral blood mononuclear cells		
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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