

Technical Data Sheet

Product	Anti-Hu CD45 Alexa Fluor® 700
Cat. Number/Size	A7-160-T100 100 tests
	For Research Use Only.
	Not for use in diagnostic or therapeutic procedures.

Antigen	CD45
Clone	2D1
Format	Alexa Fluor® 700
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	red (633 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® 700 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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