



Technical Data Sheet

Product	Anti-ZAP70 Alexa Fluor® 647	
Cat. Number/Size	A6-665-T100	100 tests
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	
Antigen	ZAP70	
Clone	1E7.2	
Format	Alexa Fluor® 647	
Reactivity	Human, Mouse	
Application	WB, ICC, 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. Intracellular staining.	
Excitation laser	red (633 nm)	
Isotype	Mouse IgG1 kappa	
Specificity	The mouse monoclonal antibody 1E7.2 recognizes ZAP70, a 70 kDa protein tyrosine kinase expressed in T and NK cells (an intracellular antigen). ZAP70 is a molecule susceptible to degradation. It is recommended to use freshly prepared cell lysates (protease inhibitors are essential) to avoid non-specific staining of degradation products. The epitope is located within "interdomain B".	
Other names	ZAP-70, ADMIO2	
Immunogen	A KLH-coupled peptide corresponding to amino acids 282-307 of human ZAP70	
Entrez Gene ID	22637	
Gene name	Zap70	
NCBI Full Gene Name	zeta-chain (TCR) associated protein kinase	
UniProt ID	P43404	
Preparation	Purified antibody is conjugated with Alexa Fluor® 647 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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