



	Technical Data Sheet	
Product	Anti-ZAP70 PE	
Cat. Number/Size	1P-665-T025	25 tests
	1P-665-T100	100 tests
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	
Antigen	ZAP70	
Clone	1E7.2	
Format	PE	
Reactivity	Human, Mouse	
Application	FC (QC tested)	
Application details	Flow cytometry: The reagent is designed for analysis of human blood cells using 20 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests. Intracellular staining.	
Excitation laser	blue (488 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 R-phycoerythrin (PE) under optimum conditions. 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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