

Technical Data Sheet

Product	Anti-ZAP70 Alexa Fluor® 488
Cat. Number/Size	A4-665-T100 100 tests
	For Research Use Only.
	Not for use in diagnostic or therapeutic procedures.

Antigen	ZAP70
Clone	1E7.2
Format	Alexa Fluor® 488
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	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 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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