

Technical Data Sheet

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| 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. | |

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| Antigen | ZAP70 |
| Clone | 1E7.2 |
| Format | PE |
| Reactivity | Human, Mouse |
| Application | FC-IC (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 |

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| 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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