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| | Technical Data Sheet | |
| Product | Anti-ZAP70 Purified | |
| Cat. Number/Size | 11-665-C025 | 0.025 mg |
| | 11-665-C100 | 0.1 mg |
| | For Research Use Only. | |
| | Not for use in diagnostic or therapeutic procedures. | |
| Antigen | ZAP70 | |
| Clone | 1E7.2 | |
| Format | Purified | |
| Reactivity | Human, Mouse | |
| Application | FC (QC tested), IP, WB, ICC | |
| Application details | Flow cytometry: Recommended dilution for purified antibody: 1 µg/ml, intracellular staining. Recommended protocol for primary antibody conjugates using ADG Fix and Perm kit: 1) Add 50 µl peripheral blood to a 5 ml FACS tube; 2) Proceed surface staining with appropriate amount of surface antibody (20 min at room temperature); 3) Add 100 µl of Reagent A (Fixation Medium, stored and used at room temperature); 4) Incubate for 15 minutes at room temperature; 5) Add 4 ml PBS buffer and centrifuge at 300 g for 5 minutes at room temperature; 6) Remove supernatant and add to cells pellet 100 µl Reagent B (Permeabilization Medium) and 20 µl of ZAP-70-PE antibody or 10 µl of ZAP-70-FITC antibody (red blood cells are not lysed yet); 7) Vortex at low speed for 1-2 seconds (pellet must be resuspended); 8) Incubate for 15 minutes at room temperature; 9) Add to cells mixture of 1 ml Reagent B and 3 ml PBS buffer and centrifuge at 300 g for 5 minutes at room temperature; 10) Remove supernatant and resuspend cells in 100 µl PBS buffer; 11) Analyze immediately. Western blotting: Recommended dilution: 1-2 µg/ml, positive control: MOLT-4 cells. | |
| 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 | |
| Concentration | 1 mg/ml | |
| Preparation | Purified by protein-A affinity chromatography. | |
| Formulation | Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide | |
| Storage and handling | Store at 2-8°C. Do not freeze. | |
| Images and References | www.exbio.cz | |

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