

Product datasheet for TA347075

ZAP70 Mouse Monoclonal Antibody [Clone ID: 4B2-C1-H3]

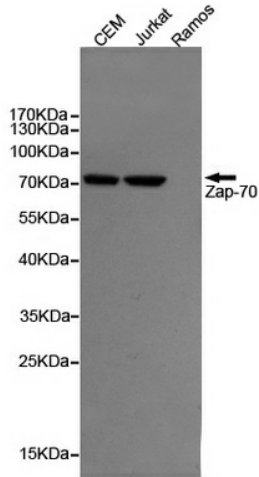
Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | 4B2-C1-H3 |
| Applications: | IP, WB |
| Recommend Dilution: | WB: 1:1000 |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG2b |
| Clonality: | Monoclonal |
| Immunogen: | The immunogen for ZAP70 antibody: purified recombinant human ZAP-70 protein fragments expressed in E.coli. |
| Formulation: | Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.02% sodium azide and 50% glycerol. |
| Purification: | Affinity purified |
| Predicted Protein Size: | 70 kDa |
| Gene Name: | zeta chain of T cell receptor associated protein kinase 70kDa |
| Database Link: | NP_001070 Entrez Gene 7535 Human |
| Background: | This gene encodes an enzyme belonging to the protein tyrosine kinase family, and it plays a role in T-cell development and lymphocyte activation. This enzyme, which is phosphorylated on tyrosine residues upon T-cell antigen receptor (TCR) stimulation, functions in the initial step of TCR-mediated signal transduction in combination with the Src family kinases, Lck and Fyn. This enzyme is also essential for thymocyte development. Mutations in this gene cause selective T-cell defect, a severe combined immunodeficiency disease characterized by a selective absence of CD8-positive T-cells. Two transcript variants that encode different isoforms have been found for this gene. [provided by RefSeq, Jul 2008] |
| Synonyms: | SRK; STCD; STD; TZK; ZAP-70 |
| Protein Families: | Druggable Genome, Protein Kinase |
| Protein Pathways: | Natural killer cell mediated cytotoxicity, Primary immunodeficiency, T cell receptor signaling pathway |

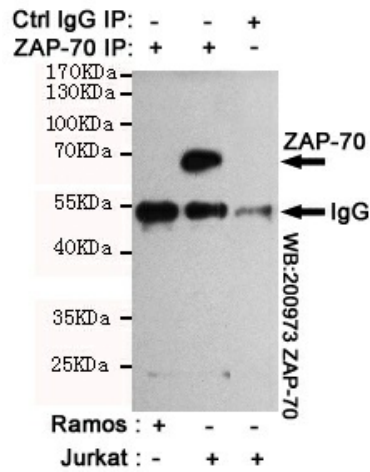


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Product images:



Western blot detection of ZAP-70 in CEM and Jurkat cell lysates, negative in the Ramos cell lysates using ZAP-70 mouse mAb (1:1000 diluted). Predicted band size: 70KDa. Observed band size: 70KDa.



Immunoprecipitation analysis of Jurkat cell lysates (ZAP-70 positive expression cell line) and Ramos cell lysates (ZAP-70 negative expression cell line) using ZAP-70 mouse mAb.