

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
Recommended 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
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
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 P43403



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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