Zap-70 (L1E5) Mouse mAb



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Applications: WB, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 70	Source/Isotype: Mouse IgG1	UniProt ID: #P43403	Entrez-Gene Id: 7535
Product Usage Information	Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50		
Storage	•	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20 °C. Do not aliquot the antibody.				
Specificity / Sensitivity		Zap-70 (L1E5) Mouse mAb detects endogenous levels of total Zap-70 protein. It does not cross-react with other related proteins.				
			r is produced by immunizing animals with a synthetic peptide corresponding to g the Ser289 of human Zap-70.			
Background	med enga and with	The Syk family protein tyrosine kinase Zap-70 is expressed in T and NK cells and plays a critical role in mediating T cell activation in response to T cell receptor (TCR) engagement (1). Following TCR engagement, Zap-70 is rapidly phosphorylated on several tyrosine residues through autophosphorylation and transphosphorylation by the Src family tyrosine kinase Lck (2-6). Tyrosine phosphorylation correlates with increased Zap-70 kinase activity and downstream signaling events. Expression of Zap-70 is correlated with disease progression and survival in patients with chronic lymphocytic leukemia (7,8).				
Background Refer	2. Iw 3. N 4. C 5. W 6. D 7. W	 Chu, D.H. et al. (1998) Immunol Rev 165, 167-80. Iwashima, M. et al. (1994) Science 263, 1136-9. Neumeister, E.N. et al. (1995) Mol Cell Biol 15, 3171-8. Chan, A.C. et al. (1995) EMBO J 14, 2499-508. Williams, B.L. et al. (1999) EMBO J 18, 1832-44. Di Bartolo, V. et al. (1999) J Biol Chem 274, 6285-94. Wiestner, A. et al. (2003) Blood 101, 4944-51. Crespo, M. et al. (2003) N Engl J Med 348, 1764-75. 				

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry

milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

WB: Western Blotting IP: Immunoprecipitation

Cross-Reactivity Key

H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster

X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

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