

Catalog Number:E11-0468A Concentration: 1mg/ml

Swiss-Prot No.: P20963

Other Names: CD3-zeta, T-cell receptor T3 zeta chain, T-cell surface glycoprotein CD3 zeta chain precursor, T3Z, TCRZ

All Sites: Human: Tyr142; Mouse: Tyr143 Storage/Stability: Store at -20°C/1 year

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02%

sodium azide and 50% glycerol.

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human CD3 ζ around the

phosphorylation site of tyrosine 142 (G-L-Y^P-Q-G).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

 $\textbf{Specificity:} \ \texttt{CD3} \ \zeta \ (\texttt{Phospho-Tyr142}) \ \text{antibody detects endogenous levels of CD3} \ \zeta \ \text{only when phosphorylated at}$

tyrosine 142.

Reactivity: Human, Mouse

Applications: WB: 1:500~1:1000 ELISA: 1:1000

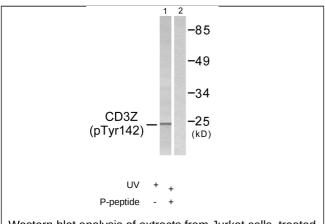
References:

Linda A. Trimble, Blood, Aug 2000; 96: 1021 - 1029.

Sandeep Krishnan, J. Immunol., Sep 2005; 175: 3417 - 3423.

Linda A. Trimble, J. Virol., Aug 2000; 74: 7320 - 7330.

Hisashi Arase, J. Immunol., Jan 2001; 166: 21.



Western blot analysis of extracts from Jurkat cells, treated with UV (15mins), using CD3 ζ (Phospho-Tyr142) antibody.