



## CD3 $\zeta$ (Phospho-Tyr142) Antibody

E11-0468A

**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  $Mg^{2+}$  and  $Ca^{2+}$ ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Immunogen:** The antiserum was produced against synthesized phosphopeptide derived from human CD3  $\zeta$  around the phosphorylation site of tyrosine 142 (G-L-Y<sup>P</sup>-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.

**Specificity:** CD3  $\zeta$  (Phospho-Tyr142) antibody detects endogenous levels of CD3  $\zeta$  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.

