

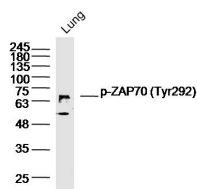
bs-13548R**[Primary Antibody]****phospho-ZAP70 (Tyr292) Rabbit pAb****BioSS**
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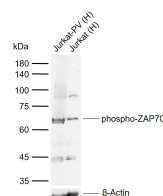
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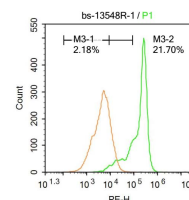
400-901-9800

— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 7535**SWISS:** P43403**Target:** ZAP70 (Tyr292)**Immunogen:** KLH conjugated Synthesised phosphopeptide derived from human Zap-70 around the phosphorylation site of Tyr292: DG(p-Y)TP.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.**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].**Applications:** **WB** (1:500-2000)**Flow-Cyt** (1ug/test)**Reactivity:** Human, Mouse
(predicted: Rat, Pig, Cow, Dog, Horse)**Predicted MW.:** 68 kDa**Subcellular Location:** Cell membrane ,Cytoplasm**— VALIDATION IMAGES —**

Sample: Lung (Mouse) Lysate at 40 ug Primary: Anti-p-ZAP70 (Tyr292)(bs-13548R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 68kD Observed band size: 68kD



Sample: Lane 1: Human Jurkat-PV cell lysates Lane 2: Human Jurkat cell lysates Primary: Anti-phospho-ZAP70 (Tyr292) (bs-13548R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 68 kDa Observed band size: 65 kDa



Molt-4 cells were fixed with 4% PFA for 10min at room temperature, permeabilized with 20% PBST for 20 min at room temperature, and incubated in 5% BSA blocking buffer for 30 min at room temperature. Cells were then stained with ZAP-70 Antibody(bs-13548R) at 1:100 dilution in blocking buffer and incubated for 30 min at room temperature, washed twice with 2%BSA in PBS, followed by secondary antibody incubation for 40 min at room temperature. Acquisitions of 20,000 events were performed. Cells stained with primary antibody (green), and isotype control (orange).