

**bs-4080R****[ Primary Antibody ]****phospho-IRAK4 (Thr345) Rabbit pAb****Bioss**  
**ANTIBODIES**

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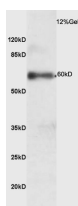
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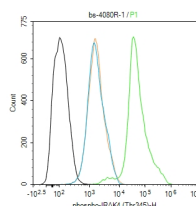
400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>Flow-Cyt</b> (1ug/Test)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 51135	<b>SWISS:</b> Q9NWX3	<b>Reactivity:</b> Mouse (predicted: Human, Rat, Rabbit, Pig, Sheep, Cow, Dog, GuineaPig)
<b>Target:</b> IRAK4 (Thr345)		
<b>Immunogen:</b> KLH conjugated Synthesised phosphopeptide derived from human IRAK4 around the phosphorylation site of Thr345: VM(p-T)SR.		
<b>Purification:</b> affinity purified by Protein A		<b>Predicted MW.:</b> 51 kDa
<b>Concentration:</b> 1mg/ml		<b>Subcellular Location:</b> Cytoplasm
<b>Storage:</b> 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.		
<b>Background:</b> This gene encodes a kinase that activates NF-kappaB in both the Toll-like receptor (TLR) and T-cell receptor (TCR) signaling pathways. The protein is essential for most innate immune responses. Mutations in this gene result in IRAK4 deficiency and recurrent invasive pneumococcal disease. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]		

**— VALIDATION IMAGES —**

Sample: Lung (Mouse) Lysate at 40 ug Primary: Anti-phospho-IRAK4 (Thr345) (bs-4080R) at 1/300 dilution Secondary: HRP conjugated Goat-Anti-rabbit IgG (bs-0295G-HRP) at 1/5000 dilution Predicted band size: 51 kD Observed band size: 60 kD



Blank control (black line) :NIH/3T3. Primary Antibody (green line): Rabbit Anti-phospho-IRAK4 (Thr345) antibody (bs-54132R) Dilution:1ug/Test; Secondary Antibody (white blue line) : Goat anti-rabbit IgG-AF488 Dilution: 0.5ug/Test. Isotype control (orange line) : Normal Rabbit IgG Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

**— SELECTED CITATIONS —**

- **[IF=4.427]** Zhang H et al. Aluminum trichloride-induced hippocampal inflammatory lesions are associated with IL-1 $\beta$ -activated IL-1 signaling pathway in developing rats. Chemosphere. 2018 Jul;203:170-178. WB ;Rat. 29614410
- **[IF=1.936]** Cui Y et al. Loganin prevents BV - 2 microglia cells from A $\beta$ 1 - 42 - induced inflammation via regulating TLR4/TRAFF6/NF -  $\kappa$ B axis.(2018) Cell Biol Int. WB ;Mouse. 30288860

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.