

bs-2594R**[Primary Antibody]****Bioss**
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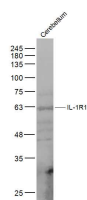
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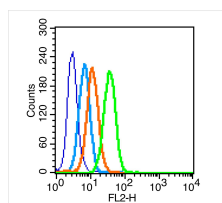
400-901-9800

IL-1R1 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) Flow-Cyt (1µg /test)
Clonality: Polyclonal		Reactivity: Human, Mouse (predicted: Rat)
GeneID: 3554	SWISS: P14778	Predicted MW.: 63 kDa
Target: IL-1R1		Subcellular Location: Secreted ,Cell membrane
Immunogen: KLH conjugated synthetic peptide derived from human IL-1R1: 481-569/569. < Cytoplasmic >		
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: The protein encoded by this gene is a cytokine receptor that belongs to the interleukin 1 receptor family. This protein is a receptor for interleukin alpha (IL1A), interleukin beta (IL1B), and interleukin 1 receptor, type I (IL1R1/IL1RA). It is an important mediator involved in many cytokine induced immune and inflammatory responses. This gene along with interleukin 1 receptor, type II (IL1R2), interleukin 1 receptor-like 2 (IL1RL2), and interleukin 1 receptor-like 1 (IL1RL1) form a cytokine receptor gene cluster in a region mapped to chromosome 2q12. [provided by RefSeq].		

— VALIDATION IMAGES —

Sample: Cerebellum (Mouse) Lysate at 40 ug
 Primary: Anti-IL-1R1 (bs-2594R) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 63 kD
 Observed band size: 63 kD



Blank control (blue line): MCF7 (blue). Primary Antibody (green line): Rabbit Anti-IL-1R1 antibody (bs-2594R); Dilution: 1µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE; Dilution: 1µg /test. Protocol The cells were fixed with 70% methanol overnight at 4°C . Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=6.025]** Xuliang Zhang. et al. PINK1/Parkin-mediated mitophagy mitigates T-2 toxin-induced nephrotoxicity. FOOD CHEM TOXICOL. 2022 Jun;164:113078 WB ;Mouse. 35489469

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

- **[IF=5.682]** Pan, Jingrui. et al. Transmission of NLRP3-IL-1 β Signals in Cerebral Ischemia and Reperfusion Injury: from Microglia to Adjacent Neuron and Endothelial Cells via IL-1 β /IL-1R1/TRAF6. MOL NEUROBIOL. 2023 Jan;;1-18 WB,IF ;Rat. 36717480
- **[IF=4.427]** Zhang H et al. Aluminum trichloride-induced hippocampal inflammatory lesions are associated with IL-1 β -activated IL-1 signaling pathway in developing rats. Chemosphere. 2018 Jul;203:170-178. WB ;Rat. 29614410