

**bs-0812R****[ Primary Antibody ]****BioSS**  
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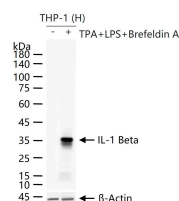
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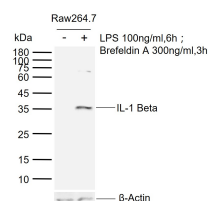
400-901-9800

**IL-1 Beta Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 3553 <b>Target:</b> IL-1 Beta <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human IL-1beta: 101-200/269. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <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> The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine is produced by activated macrophages as a proprotein, which is proteolytically processed to its active form by caspase 1 (CASP1/ICE). This cytokine is an important mediator of the inflammatory response, and is involved in a variety of cellular activities, including cell proliferation, differentiation, and apoptosis. The induction of cyclooxygenase-2 (PTGS2/COX2) by this cytokine in the central nervous system (CNS) is found to contribute to inflammatory pain hypersensitivity. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. [provided by RefSeq, Jul 2008].	<b>Isotype:</b> IgG <b>SWISS:</b> P01584 <b>Applications:</b> WB (1:500-2000) <b>Reactivity:</b> Human, Mouse <b>Predicted MW.:</b> 17/32 kDa <b>Subcellular Location:</b> Secreted
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**— VALIDATION IMAGES —**

THP-1 (H) cells were treated with or without TPA (80nM) for 24 h, then treated with (100ng/ml) lipopolysaccharide (LPS) for 6 h, then with (300ng/ml) Brefeldin A added after 3 h, 25 µg total protein per lane of cell lysates (see on figure) probed with IL-1 Beta polyclonal antibody, unconjugated (bs-0812R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Sample: Lane 1: Normal Mouse Raw264.7 cell lysates Lane 2: Raw264.7 treated with 100ng/ml lipopolysaccharide (LPS) for 6h, then with 300ng/ml Brefeldin A added after 3 hours  
 Primary: Anti-IL-1 Beta (bs-0812R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 17/32 kDa Observed band size: 35 kDa

**— SELECTED CITATIONS —**

- **[IF=32.086]** Yingying Jin. et al. A Novel “Inside-Out” Intraocular Nanomedicine Delivery Mode for Nanomaterials Biological Effects Enhanced Choroidal Neovascularization Occlusion and Microenvironment Regulation. ADV MATER. 2022 Dec;;2209690 IF ;Mouse. 36527723
- **[IF=20.5]** Au Man Ting. et al. Blockade of endothelin receptors mitigates SARS-CoV-2-induced osteoarthritis. NAT MICROBIOL. 2024 Sep;;1-15 IHC ;Hamster,Mouse. 39261580
- **[IF=16.744]** Lubin Zhou. et al. A self-pumping dressing with in situ modification of non-woven fabric for promoting

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diabetic wound healing. CHEM ENG J. 2022 Dec;:141108 IHC ;Rat. 10.1016/j.cej.2022.141108

- **[IF=15.8]** Yanan Wang. et al. Self-Sulfhydrated, Nitro-Fixed Albumin Nanoparticles as a Potent Therapeutic Agent for the Treatment of Acute Liver Injury. ACS NANO. 2024;XXXX(XXX):XXX-XXX WB ;Mouse. 39041805
- **[IF=15.304]** Jinbo Li. et al. Autophagy inhibition recovers deficient ICD-based cancer immunotherapy. BIOMATERIALS. 2022 Aug;287:121651 IF ;Mouse. 35777331