

bs-0812R**[Primary Antibody]**

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www.bioss.com.cn

sales@bioss.com.cn

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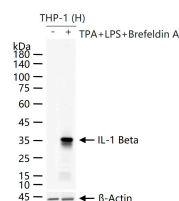
400-901-9800

IL-1 Beta Rabbit pAb**DATASHEET****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 3553**SWISS:** P01584**Target:** IL-1 Beta**Immunogen:** KLH conjugated synthetic peptide derived from human IL-1beta: 101-200/269.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

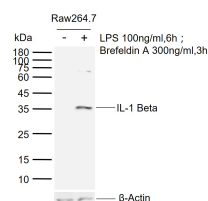
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The protein encoded by this gene is a 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].

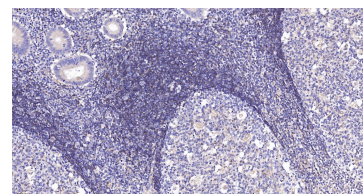
Applications: **WB** (1:500-2000)
IHC-P (1:500-2000)
IHC-F (1:500-2000)
IF (1:500-2000)

Reactivity: Human, Mouse
(predicted: Rat)**Predicted MW.:** 17/32 kDa**Subcellular Location:** Secreted**VALIDATION IMAGES**

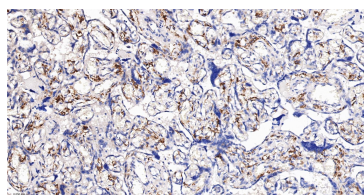
THP-1 (H) cells were treated with or without TPA (80nM) for 24 h, then treated with (100ng/ml) lipopolysaccharide (LPS) for 6 h, then with (300ng/ml) Brefeldin A added after 3 h, 25 µg total protein per lane of cell lysates (see on figure) probed with IL-1 Beta polyclonal antibody, unconjugated (bs-0812R) 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



Paraformaldehyde-fixed, paraffin embedded Human purulent appendicitis; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with IL-1 Beta Polyclonal Antibody, Unconjugated (bs-0812R) at 1:1000 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human acute villusitis; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with IL-1 Beta

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

Polyclonal Antibody, Unconjugated (bs-0812R)
at 1:1000 overnight at 4°C, followed by
conjugation to the bs-0295G-HRP and DAB
(C-0010) staining.

— 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=20.3]** Jingjing Wei. et al. Metformin carbon dots-based osteogenic and protein delivery system to promote bone regeneration in periodontitis. BIOACT MATER. 2025 Nov;53:459 WB,IHC ;Rat,Human. 40747455
- **[IF=16.744]** Lubin Zhou. et al. A self-pumping dressing with in situ modification of non-woven fabric for promoting 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