

bs-6319R**[Primary Antibody]****Bioss**
ANTIBODIES

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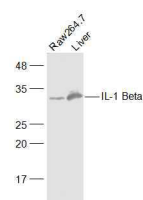
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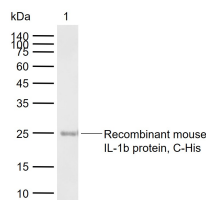
400-901-9800

IL-1 Beta Rabbit pAb**— DATASHEET —**

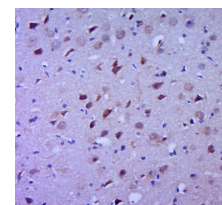
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (2ug/Test)
Clonality: Polyclonal		
GeneID: 3553	SWISS: P01584	
Target: IL-1 Beta		
Immunogen: KLH conjugated synthetic peptide derived from human IL-1 Beta: 161-269/269.		
Purification: affinity purified by Protein A		Reactivity: Human, Mouse, Rat (predicted: Rabbit, Dog, Horse)
Concentration: 1mg/ml		Predicted MW.: 17/32 kDa
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.		Subcellular Location: Secreted
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].		

— VALIDATION IMAGES —

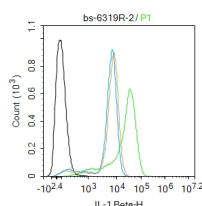
Sample: Raw264.7(Mouse) Cell Lysate at 30 ug
 Liver (Mouse) Lysate at 40 ug Primary: Anti-IL-1 Beta (bs-6319R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 17/30 kD Observed band size: 30 kD



Sample: Lane 1: Recombinant mouse IL-1b protein, C-His Primary: Anti-IL-1 Beta (bs-6319R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 17/32 kDa Observed band size: 25 kDa



Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IL-1 Beta) Polyclonal Antibody, Unconjugated (bs-6319R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Blank control: THP-1. Primary Antibody (green line): Rabbit Anti-IL-1 Beta antibody (bs-6319R)
 Dilution: 2μg / 10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary

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

Antibody : Goat anti-rabbit IgG-FITC Dilution:
0.5µg /test. Protocol The cells were fixed with 4%
PFA (10min at room temperature)and then
permeabilized with 0.1% PBST for 20 min at
room temperature. 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=16]** Yu-Han Lin. et al. The Bacterial Outer Membrane Vesicle-Cloaked Immunostimulatory Nanoplatform Reinvigorates T Cell Function and Reprograms Tumor Immunity. ACS NANO. 2025;XXXX(XXX):XXX-XXX IHC,IF ;Mouse. 40392526
- **[IF=16]** Hao Tan. et al. Microneedles Loaded with Nitric-Oxide Driven Nanomotors Improve Force-Induced Efferocytosis Impairment and Sterile Inflammation by Revitalizing Macrophage Energy Metabolism. ACS NANO. 2025;19(9):9390–9411 IHC ;Rat. 40025734
- **[IF=13.8]** Zhou Xinghong. et al. Gut microbiota dysbiosis in hyperuricaemia promotes renal injury through the activation of NLRP3 inflammasome. MICROBIOME. 2024 Dec;12(1):1-20 WB ;Rat. 38907332
- **[IF=12.8]** Linhong Liu. et al. Transformable peptide blocks NF-κB/IκBα pathway through targeted coating IκBα against rheumatoid arthritis. BIOMATERIALS. 2025 Mar;314:122839 IHC ;Rat. 39288618
- **[IF=13.4]** Tong Li. et al. Protein-based supramolecular adhesive capable of on-demand adhesion and anti-adhesion for preventing undesired epidural tissue adhesionCHEM ENG J. 2025 Jan;505:159778 Western blot ;Rat. 10.1016/j.cej.2025.159778