

**bs-42148R****[ Primary Antibody ]****BioSS**  
**ANTIBODIES**

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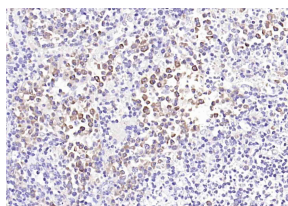
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**IL-18 Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>Target:</b> IL-18 <b>Immunogen:</b> Recombinant rat IL-18 protein: 1-194/194. <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> IL18 (IFN-gamma-inducing factor, IGIF) is a novel pro-inflammatory cytokine that augments natural killer (NK) activity in spleen cells. This cytokine can induce the IFN-gamma production of T cells. The combination of this cytokine and IL12 has been shown to inhibit IL4 dependent IgE and IgG1 production, and enhance IgG2a production of B cells. IL18 binding protein (IL18BP) can specifically interact with this cytokine, and thus negatively regulate its biological activity.	<b>Isotype:</b> IgG <b>Applications:</b> <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:400-800) <b>IF</b> (1:100-500) <b>Reactivity:</b> Rat (predicted: Mouse)  <b>Predicted MW.:</b> 22 kDa <b>Subcellular Location:</b> Secreted
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**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (rat lymphoid); 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-18) Polyclonal Antibody, Unconjugated (bs-42148R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=7.5]** Chao Chen. et al. SHP2 potentiates anti-PD-1 effectiveness through intervening cell pyroptosis resistance in triple-negative breast cancer. BIOMED PHARMACOTHER. 2023 Dec;168:115797 IF ;Mouse. 37913735
- **[IF=4.2]** Kaixin Wang. et al. Long-Term Alcohol Exposure Aggravates Ischemic Stroke-Induced Damage by Promoting Pericyte NLRP3 Inflammasome Activation via Pre-Activating the TLR4/NF-κB Pathway in Rats. J INFLAMM RES. 2024 七月 23 WB ;Rat. 39051052
- **[IF=4.2]** Zhaobai Lao. et al. The Onset of Systemic Lupus Erythematosus Triggers Nucleus Pulposus Cell Pyroptosis to Exacerbate Intervertebral Disc Degeneration. J INFLAMM RES. 2024 Oct 24 WB ;Rat. 39473981
- **[IF=4.3]** Xuliang Fang. et al. Systemic Lupus Erythematosus Exacerbates Hip Arthritis by Promoting Chondrocyte Pyroptosis in the Femoral Head via Activating the NF-κB Pathway. J CELL MOL MED. 2025 Apr;29(7):e70531 IHC ;Mouse.

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

