

bs-55111R**[Primary Antibody]****IL18 Rabbit pAb****BioSS**
ANTIBODIES

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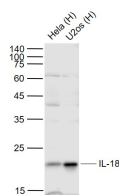
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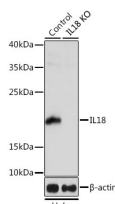
400-901-9800

DATASHEET

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) ELISA (1:5000-10000)
Clonality: Polyclonal		Reactivity: Human (predicted: Mouse)
GeneID: 3606	SWISS: Q14116	
Target: IL18		
Immunogen: Recombinant human IL-18 : 37-193/193.		
Purification: affinity purified by Protein A		Predicted MW.: 22 kDa
Concentration: 1mg/ml		Subcellular Location: Secreted
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4°C.		
Background: 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.		

VALIDATION IMAGES

Sample: Lane 1: HeLa (Human) Cell Lysate at 30 ug
Lane 2: U2os (Human) Cell Lysate at 30 ug
Primary: Anti- IL-18 (bs-55111R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 23 kD
Observed band size: 21 kD



Sample: Lane 1: HeLa (Human) Cell Lysate at 25 ug
Lane 2: IL18 knockout (KO) HeLa (Human) Cell Lysate at 25 ug
Primary: Anti-IL18 (bs-55111R) at 1/1000 dilution
Secondary: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution
Predicted band size: 23 kD
Observed band size: 21 kD

SELECTED CITATIONS

- **[IF=5.8]** Hong Zhu. et al. CD73 mitigates hepatic damage in alcoholic steatohepatitis by regulating PI3K/AKT-mediated hepatocyte pyroptosis. *BIOCHEM PHARMACOL.* 2023 Sep;215:115753 WB ;Mouse. 37611643
- **[IF=6.1]** Xiang Li. et al. Riboflavin Attenuates Fluoride-Induced Testicular Injury via Interleukin 17A-Mediated Classical Pyroptosis. *J AGR FOOD CHEM.* 2024;XXXX(XXX):XXX-XXX WB ;Mouse. 38475697
- **[IF=5.6]** Yuan Li. et al. Irbesartan ameliorates diabetic nephropathy by activating the Nrf2/Keap1 pathway and suppressing NLRP3 inflammasomes in vivo and in vitro. *INT IMMUNOPHARMACOL.* 2024 Apr;131:111844 WB ;Mouse. 38503013
- **[IF=3.647]** Yunhai Luo. et al. SET8 mitigates hepatic ischemia/reperfusion injury in mice by suppressing MARK4/NLRP3 inflammasome pathway. *Life Sci.* 2021 May;273:119286 WB ;Mouse. 33662429
- **[IF=3.6]** Muhammad Tahir. et al. PM2.5 exposure elevates hepatic injury in hyperlipidemic mice via ROS-pyroptosis

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

signaling pathway. ENV POLLUT BIOAVAIL. 2024 Nov 23 WB ;Mouse. 10.1080/26395940.2024.2429506