## bs-20697R

## [ Primary Antibody ]

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# IL-1R1 Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**GeneID: 3554 SWISS:** P14778

Target: IL-1R1

**Immunogen:** KLH conjugated synthetic peptide derived from human IL-1R1:

41-140/569. < Extracellular >

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 cytokine receptor that belongs to the interleukin 1 receptor family. This protein is a receptor for interleukin alpha (IL1A), interleukin beta (IL1B), and interleukin 1 receptor, type I(IL1R1/IL1RA). It is an important mediator involved in many cytokine induced immune and inflammatory responses. This gene along with interleukin 1 receptor, type II(IL1R2), interleukin 1 receptor-like 2 (IL1RL2), and interleukin 1 receptor-like 1 (IL1RL1) form a cytokine receptor gene cluster in a region mapped to chromosome 2q12. [provided by

RefSeq].

Applications: WB (1:500-2000)

**IHC-P** (1:100-500) IHC-F (1:100-500) **IF** (1:100-500) Flow-Cyt (1µg /test) ICC/IF (1:100-500)

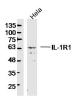
Reactivity: Human (predicted: Mouse,

Pig, Dog)

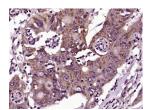
Predicted MW.: 63 kDa

Subcellular Location: Secreted ,Cell membrane

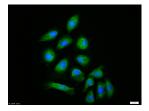
# VALIDATION IMAGES -



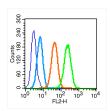
Sample: Hela(human) Cell Lysate at 40 ug Primary: Anti-IL-1R1 (bs-20697R) at 1/300 dilution Secondary: IRDve800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 63 kD Observed band size: 63 kD



Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); 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-1R1) Polyclonal Antibody, Unconjugated (bs-20697R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



HepG2 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (IL-1R1) polyclonal Antibody, Unconjugated (bs-20697R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Blank control (blue line): MCF7 (fixed with 70% methanol overnight at 4°C). Primary Antibody (green line): Rabbit Anti-IL-1R1 receptor antibody (bs-20697R) ,Dilution: 0.2µg/10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE,Dilution:  $1\mu g$  /test.

## - SELECTED CITATIONS -

- [IF=5.1] Qi Zheng. et al. M1-Type Microglia-Derived Extracellular Vesicles Overexpressing IL-1R1 Promote Postoperative Cognitive Dysfunction by Regulating Neuronal Inflammation. INFLAMMATION. 2023 Jul;:1-16 WB; MOUSE. 37505422
- [IF=0] Wei Wang. et al. Unveiling the impact of C15orf48 on non-small cell lung cancer through NF-kappa B signaling. Biomolecules and Biomedicine. 2024 Nov;: WB; Human. 39576886
- [IF=0] Wei Wang. et al. Unveiling the impact of C15orf48 on non-small cell lung cancer through NF-kappa B signaling. BIOMOLECULES AND BIOMEDICINE. 2024 Nov 22. Western blot; Human. 39576886