

**bs-2208R****[ Primary Antibody ]****IL33 Rabbit pAb**

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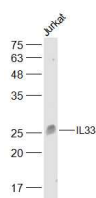
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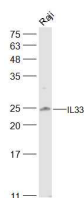
400-901-9800

**— DATASHEET —**

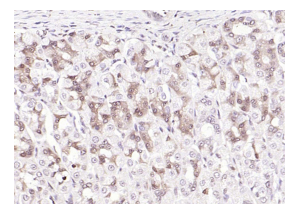
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)  <b>Reactivity:</b> Human, Rat  <b>Predicted MW.:</b> 31 kDa  <b>Subcellular Location:</b> Secreted ,Cytoplasm ,Nucleus
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 90865	<b>SWISS:</b> Q95760	
<b>Target:</b> IL33		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human IL-33 Propeptide: 1-111/270.		
<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> IL33 is a cytokine which belongs to the IL-1 superfamily, and it induces helper T cells to produce type 2 cytokines. This cytokine was previously named NF-HEV 'nuclear factor (NF) in high endothelial venules' (HEVs), as it was originally identified in these specialized cells. IL33 mediates its biological effects by interacting with the receptors ST2 and IL-1 Receptor Accessory Protein, activating intracellular molecules in the NF-kappaB and MAP kinase signaling pathways that drive production of type 2 cytokines (e.g. IL-4, IL-5 and IL-13) from polarized Th2 cells. The induction of type 2 cytokines by IL-33 in vivo is believed to induce the the severe pathological changes observed in mucosal organs following administration of IL33.		

**— VALIDATION IMAGES —**

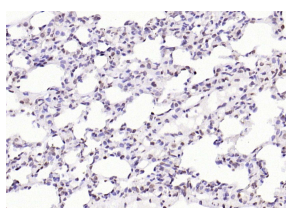
Sample: Jurkat(Human) Cell Lysate at 30 ug  
 Primary: Anti-IL33 (bs-2208R) at 1/500 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 18 kD  
 Observed band size: 25 kD



Sample: Raji(Human) Cell Lysate at 30 ug  
 Primary: Anti-IL33 (bs-2208R) at 1/500 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 18 kD  
 Observed band size: 25 kD



Paraformaldehyde-fixed, paraffin embedded (rat stomach); 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 (IL33) Polyclonal Antibody, Unconjugated (bs-2208R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat

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

lung); 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 (IL33) Polyclonal Antibody, Unconjugated (bs-2208R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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## — SELECTED CITATIONS —

- **[IF=5.923]** Justyna M. Wierzbicka. et al. The Effects of Vitamin D on the Expression of IL-33 and Its Receptor ST2 in Skin Cells; Potential Implication for Psoriasis. *Int J Mol Sci.* 2021 Jan;22(23):12907 WB,IF ;Human. 34884710
- **[IF=5.6]** Yun Sun. et al. Inhibitory effects of catalpol on DNCB-induced atopic dermatitis and IgE-mediated mast cells reaction. *INT IMMUNOPHARMACOL.* 2024 Jan;126:111274 ELISA,IHC ;Mouse. 38041954
- **[IF=3.118]** Qu S et al. The effects of resiquimod in an ovalbumin-induced allergic rhinitis model.*Int Immunopharmacol.* 2018 Jun;59:233-242. IF ;Mouse. 29665497
- **[IF=2.1]** Cuevas-Martínez Rubén. et al. Intermittent fasting reduces inflammation and joint damage in a murine model of rheumatoid arthritis: insights from transcriptomic and metagenomic analyses. *BMC Rheumatology.* 2024 Dec;8(1):1-15 IHC ;Mouse. 39587696
- **[IF=1.02]** Saied, Eman M., and Nour M. El-Etreby. "The role and prognostic value of inducible nitric oxide synthase (iNOS) and interleukin-33 (IL-33) in serous and mucinous epithelial ovarian tumours." *Annals of Diagnostic Pathology* (2017). IHC ;="Human". 28325363