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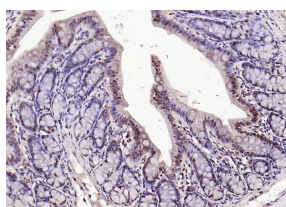
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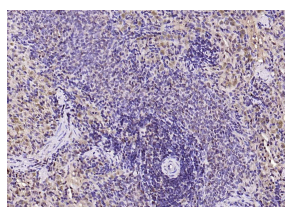
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**IL33 Rabbit pAb****— DATASHEET**

<p><b>Host:</b> Rabbit</p> <p><b>Clonality:</b> Polyclonal</p> <p><b>GeneID:</b> 77125</p> <p><b>Target:</b> IL33</p> <p><b>Immunogen:</b> KLH conjugated synthetic peptide derived from mouse IL-33: 185-264/264.</p> <p><b>Purification:</b> affinity purified by Protein A</p> <p><b>Concentration:</b> 1mg/ml</p> <p><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.</p> <p><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.</p>	<p><b>Isotype:</b> IgG</p> <p><b>SWISS:</b> Q8BVZ5</p>	<p><b>Applications:</b> IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)</p> <p><b>Reactivity:</b> Mouse, Rat</p> <p><b>Predicted MW.:</b> 30 kDa</p> <p><b>Subcellular Location:</b> Secreted ,Cytoplasm ,Nucleus</p>
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**— VALIDATION IMAGES**

Paraformaldehyde-fixed, paraffin embedded (rat colon); 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-2633R) 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 spleen); 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-2633R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

**— SELECTED CITATIONS**

- **[IF=6.525]** Manabu Kitano. et al. Shoseiryuto Ameliorated TDI-Induced Allergic Rhinitis by Suppressing IL-33 Release from Nasal Epithelial Cells. PHARMACEUTICS. 2022 Oct;14(10):2083 IHC ;Rat. 10.3390/pharmaceutics14102083
- **[IF=2.55]** Chen, Baiwen, et al. "Effects of 1, 25-dihydroxyvitamin D3 in an ovalbumin-induced allergic rhinitis model." International Immunopharmacology 47 (2017): 182-189. IHC ;="Mouse". 28412624

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

- **[IF=1.89]** Liu, Kai, and Qing-Hong Cheng. "Interleukin-33 plays an important role in sepsis-induced acute lung injury in mice." *International Journal of Clinical and Experimental Pathology* 9.5 (2016): 5025-5033. WB ;="Mouse". 25096529
- **[IF=2.456]** Qingfu Zeng. et al. IL - 33 promotes the progression of vascular restenosis after carotid artery balloon injury by promoting carotid artery intimal hyperplasia and inflammatory response. *Clin Exp Pharmacol P.* 2021 Jan;48(1):64-71 IHC ;Rat. 32663323
- **[IF=0.94]** Demirtas, Levent, et al. "The possible role of interleukin-33 as a new player in the pathogenesis of contrast-induced nephropathy in diabetic rats." *Renal Failure* (2016): 1-9. IHC ;="Rat". 27055881