bs-10707R

[Primary Antibody]

IL33 Rabbit pAb

— DATASHEET —

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

GeneID: 90865

SWISS: O95760

Target: IL33

Immunogen: KLH conjugated synthetic peptide derived from human IL33: 101-200/270.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
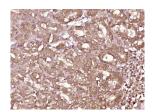Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.

Background: 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.

Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human

Predicted MW.: 18 kDa

Subcellular Location: Secreted ,Cytoplasm ,Nucleus

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (human stomach tissue); 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℃ for 30min; Antibody incubation with (IL33) Polyclonal Antibody, Unconjugated (bs-10707R) at 1:400 overnight at 4℃, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

— SELECTED CITATIONS —

- **[IF=5.6]** Jiabin Zhan. et al. CircMIRLET7BHG, upregulated in an m6A-dependent manner, induces the nasal epithelial barrier dysfunction in allergic rhinitis pathogenesis. INT IMMUNOPHARMACOL. 2023 Dec;125:111162 IF ;Human. 37976602
- **[IF=3.7]** Yuqi Liu. et al. Prognostic value and clinical significance of IL-33 expression in patients with uterine corpus

endometrial carcinoma. CYTOKINE. 2025 Jan;185:156828 IHC ;Human. 39657332