
IL33 Rabbit pAb

Catalog Number: bs-2208R

Target Protein: IL33

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Rat

Predicted MW: 31 kDa

Subcellular: Secreted, Cytoplasm, Nucleus

Locations:

Entrez Gene: 90865

Swiss Prot: O95760

Source: KLH conjugated synthetic peptide derived from human IL-33 Propeptide: 1-111/270.

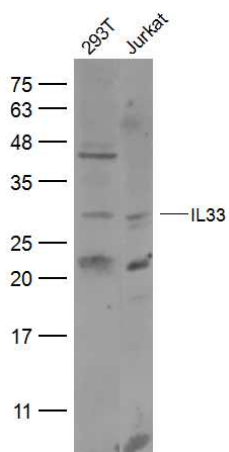
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

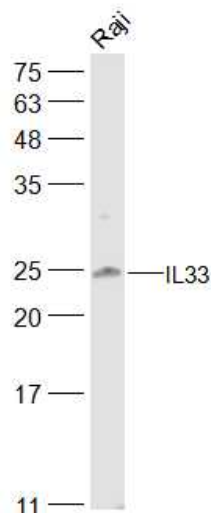
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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.

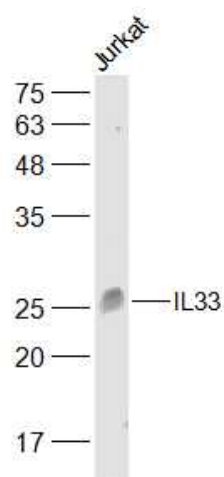
VALIDATION IMAGES



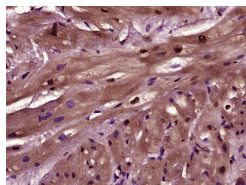
Sample: 293T(Human) Cell Lysate at 30 ug Jurkat(Human) Cell Lysate at 30 ug Primary: Anti-IL33 (bs-2208R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 31 kD Observed band size: 31 kD



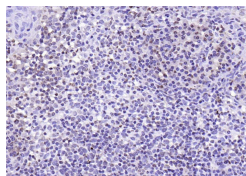
Sample: Raji(Human) Cell Lysate at 30 ug Primary: Anti-IL33 (bs-2208R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 18 kD Observed band size: 25 kD



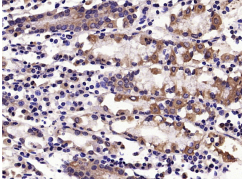
Sample: Jurkat(Human) Cell Lysate at 30 ug Primary: Anti-IL33 (bs-2208R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 18 kD Observed band size: 25 kD



Paraformaldehyde-fixed, paraffin embedded (human heart 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°C for 30min; Antibody incubation with (IL33) Polyclonal Antibody, Unconjugated (bs-2208R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human tonsil); 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 (Human stomach); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (IL33) Polyclonal Antibody, Unconjugated (bs-2208R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[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