

## Product datasheet for **AP32086BT-S**

### IL33 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	<b>Direct ELISA:</b> To detect Human IL-33 by Direct ELISA (using 100 µl/well antibody solution) a concentration of ~1.0 µg/ml of this antibody is required. This biotinylated polyclonal antibody allows the detection of at least 0.2–0.4 ng/well of recombinant Human IL-33. <b>Sandwich ELISA:</b> To detect Human IL-33 by Sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.25–1.0 µg/ml of this antibody is required. This Biotin conjugated antibody, in conjunction with Anti-Human IL-33 antibody ( <b>Cat.-No</b> AP32086PU-S or AP32086PU-N) as a Capture antibody, allows the detection of at least 0.2–0.4 ng/well of recombinant Human IL-33. <b>Western Blot:</b> To detect Human IL33 use this antibody at a concentration of 0.1–0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human IL-33 is 1.5–3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) E.coli derived recombinant Human Interleukin 33 ( <b>Cat.-No</b> AR20007PU)
Specificity:	This antibody detects Human Interleukin-33. Other species not tested.
Formulation:	PBS, pH 7.2 without preservatives Label: Biotin State: Lyophilized (sterile filtered) purified Ig fraction
Reconstitution Method:	Centrifuge vial prior to opening. Restore in sterile PBS containing 0.1% BSA to a concentration of 0.1–1.0 mg/ml.
Purification:	Affinity Chromatography
Conjugation:	Biotin



[View online »](#)

**Storage:** Prior to reconstitution store at 2-8°C.  
Following reconstitution store undiluted at 2-8°C for one month  
or (in aliquots) at -20°C for longer.  
Avoid repeated freezing and thawing.

**Stability:** Shelf life: one year from despatch.

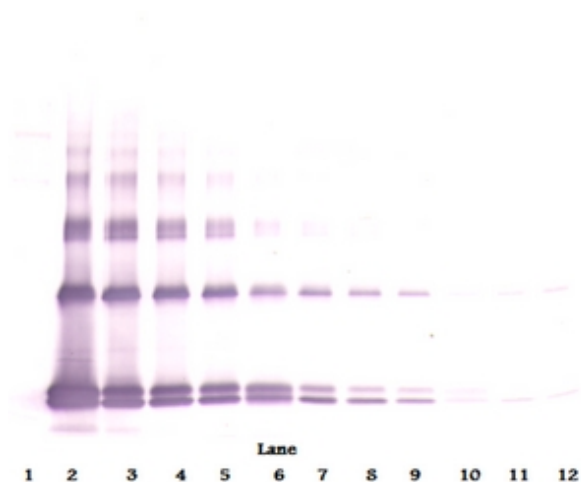
**Gene Name:** interleukin 33

**Database Link:** [Entrez Gene 90865 Human  
O95760](#)

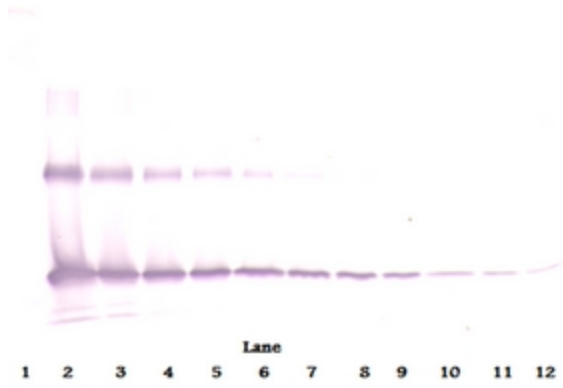
**Background:** Interleukin 33 (IL-33) is a 32 kDa proinflammatory cytokine and intracellular nuclear factor with transcriptional regulatory properties. IL-33 is structurally related to IL-1, which induces helper T-cells to produce type 2 cytokines and acts through the receptor IL1RL-1 (IL1 receptor-like-1), which is known also as ST2. Binding of IL-33 to this receptor activates NF-kappa-B and MAP kinases and induces in vitro Th2 cells to produce cytokines. In vivo, IL-33 induces expression of IL-4, IL-5, IL-13 and leads to severe pathological changes in mucosal organs and in vitro, it can be divided to N-terminal fragment of 12 kDa and C-terminal fragment of 18kDa by cleavage of caspase-1.

**Synonyms:** IL-33, IL1F11, IL-1F11, NFHEV, NF-HEV, C9orf26

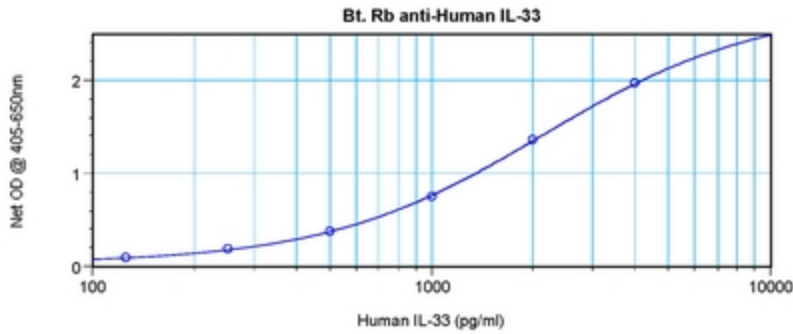
### Product images:



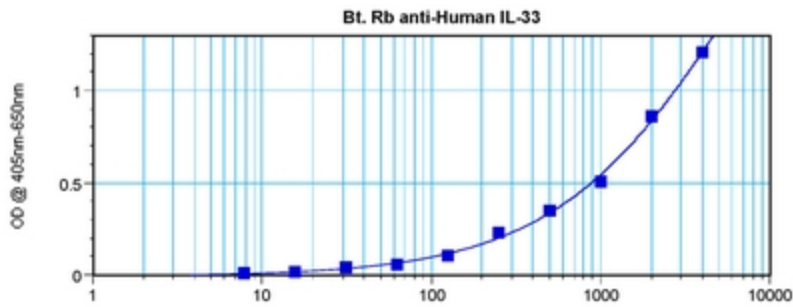
Western Blot unreduced using Interleukin-33 antibody Cat.-No AP32086BT



Western Blot reduced using Interleukin-33 antibody Cat.-No AP32086BT



Direct ELISA using Interleukin-33 antibody Cat.-No AP32086BT



Sandwich ELISA using Interleukin-33 antibody Cat.-No AP32086BT