

## IL-33 Antibody

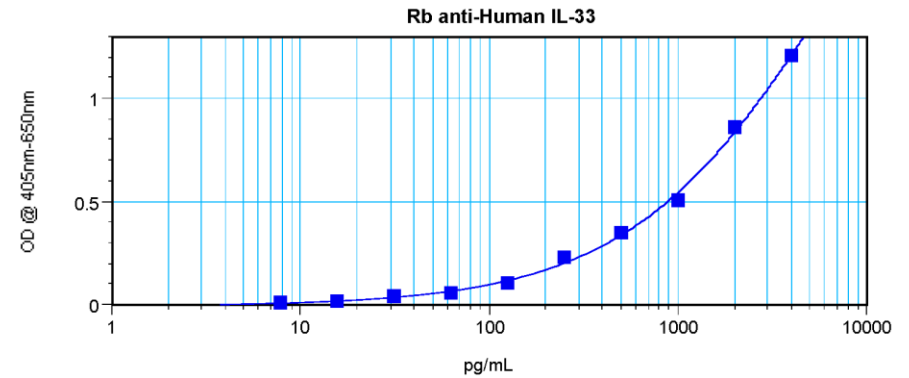
<b>ALTERNATE NAMES:</b>	NF-HEV
<b>CATALOG #:</b>	5110-50
<b>AMOUNT:</b>	50 µg
<b>CONCENTRATION:</b>	1 mg/ml
<b>HOST:</b>	Rabbit
<b>IMMUNOGEN:</b>	E.coli derived Recombinant Human IL-33.
<b>PURIFICATION:</b>	Affinity chromatography
<b>FORM:</b>	Liquid
<b>FORMULATION:</b>	A sterile filtered antibody solution in PBS
<b>SPECIES REACTIVITY:</b>	Human
<b>STORAGE CONDITIONS:</b>	-20°C.

**DESCRIPTION:** Human IL-33 is a proinflammatory protein that shares structural and functional characteristics with the IL-1 cytokine family. It binds and signals through the IL-1RL1/ST2 receptor activating NF-kappaB and MAP kinases. IL-33 induces production of TH2 cell related cytokines, including IL-4, IL-5 and IL-13, and exerts multiple inflammation related bioactivities.

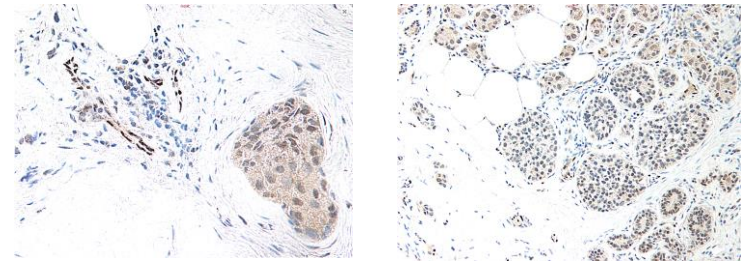
**APPLICATION:** WB, ELISA, Neutralization, Immunohistochemistry

- 1) **WB:** Use 0.1-0.2 µg/ml. The detection limit for recombinant human IL-33 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
- 2) **ELISA:** Use 0.5 - 2.0 µg/ml (100 µl/well antibody solution)
- 3) **Neutralization:** To yield one-half maximal inhibition [ND<sub>50</sub>] of the biological activity of Human IL-33 (1.0 ng/ml), a concentration of 0.2-0.4 µg/ml of this antibody is required.
- 4) **Immunohistochemistry:** 0.125 µg/ml-0.25 µg/ml with an overnight incubation at 4°C

**Note:** This information is only intended as a guide. The optimal dilutions must be determined by the user.



To detect hIL-33 by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. This antibody allows the detection of at least 0.2 - 0.4 ng/well of recombinant hIL-33.



This antibody stained formalin-fixed, paraffin-embedded sections of human breast malignant ductal adenocarcinoma. The recommended concentration is 0.125 µg/ml-0.25 µg/ml with an O/N incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Heat induced antigen retrieval with a pH 6.0 sodium citrate buffer is recommended. Optimal concentrations and conditions may vary.

### RELATED PRODUCTS:

- IL-33, murine recombinant (Cat # 4194-10, -1000)

**FOR RESEARCH USE ONLY! Not to be used on humans.**