

## Anti-IL-33 Antibody (6H166)

### Product Details

Ig Type:	Mouse IgG2a
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	6H166
Purification:	Protein A

### Applications

Verified Activity:	<p>1. Anti-IL-33 mouse monoclonal antibody at 1:500 dilution.</p> <ul style="list-style-type: none"><li>-Lane A: Hela Whole Cell Lysate.</li><li>-Lane B: K562 Whole Cell Lysate.</li><li>-Lane C: Jurkat Whole Cell lysate.</li><li>-Lysates/proteins at 30 µg per lane.</li><li>-Secondary</li><li>-Goat Anti-Mouse IgG (H+L)/HRP at 1/10000 dilution.</li><li>-Developed using the ECL technique.</li><li>-Performed under reducing conditions.</li><li>-Predicted band size:31 kDa.</li><li>-Observed band size:25 kDa.</li></ul> <p>2. IL-33 was immunoprecipitated using:</p> <ul style="list-style-type: none"><li>-Lane A:0.5 mg HeLa, K562, jurkat Whole Cell Lysate.</li><li>-2 µL anti-IL-33 mouse monoclonal antibody and 60 µg of Immunomagnetic beads Protein A/G.</li><li>-Primary antibody:</li><li>-Anti-IL-33 mouse monoclonal antibody, at 1:100 dilution.</li><li>-Secondary antibody:</li><li>-Rabbit Anti-Mouse IgG F(ab)2/HRP at 1/10000 dilution.</li><li>-Developed using the ECL technique.</li><li>-Performed under reducing conditions.</li><li>-Predicted band size: 31 kDa.</li><li>-Observed band size:25 kDa</li></ul>
Application:	IP,WB
Recommended	WB: 1:500-1:2000; IP: 0.5-2 µL/mg of lysate

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen: Recombinant Protein: Human IL-33 Protein (TMPY-00861)

Antigen Species: Human

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### Research Background

Interleukin 33 (IL-33), also known as DVS27 or NF-HEV (Nuclear Factor from High Endothelial Venules), is a pro-inflammatory protein and a chromatin-associated cytokine of the IL-1 family with high sequence and structural similarity to IL-1 and IL-18. IL-33 protein is expressed highly and rather selectively by high endothelial venule endothelial cells (HEVECs) in human tonsils, Peyer's patches, and lymph nodes. IL-33 protein has transcriptional regulatory properties, and the researches suggested that IL-33 is a dual-function protein that might act both as a cytokine and as an intracellular nuclear factor. As a type 2 cytokines, IL-33 protein also play a pivotal role in helminthic infection and allergic disorders.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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