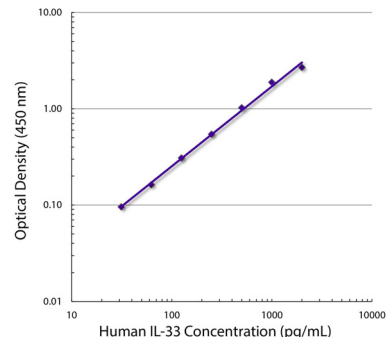




## Mouse Anti-Human IL-33

Cat. No.	Format	Size
15700-01	Purified (UNLB)	0.5 mg
15700-08	Biotin (BIOT)	0.5 mg



Standard curve generated with Mouse Anti-Human IL-33-UNLB (SB Cat. No. 15710-01; Clone SB127j) and Mouse Anti-Human IL-33-BIOT (SB Cat. No. 15700-08; Clone SB127c) followed by Streptavidin-HRP (SB Cat. No. 7100-05)

### Overview

<b>Clone</b>	SB127c
<b>Isotype</b>	Mouse (BALB/c) IgG <sub>2b</sub> K
<b>Immunogen</b>	<i>E. coli</i> -expressed human IL-33
<b>Specificity</b>	Human IL-33
<b>Alternate Name(s)</b>	Interleukin-33, IL-1F11, NF-HEV

### Description

Interleukin-33 (IL-33), also known as NF-HEV, is a 30 kDa protein and a member of the IL-1 family. This pro-inflammatory cytokine is produced by a variety of cells but is primarily expressed by endothelial and smooth muscle cells in the vasculature and airways. IL-33 binds to the ST2 receptor on target cells which results in the activation of multiple signaling pathways including NF-κB and MAP kinases. Studies have shown that IL-33 promotes T helper type 2 (Th2) cell-mediated immune responses and upregulates production of Th2 associated cytokines including IL-4, IL-5, and IL-13. *In vivo* administration of this cytokine in mice results in eosinophilia and splenomegaly as well as induced severe pathological changes in the lungs, gastrointestinal tract, and other mucosal organs.

### Applications

ELISA – Quality tested

Note – May be paired with the purified clone SB127j (SB Cat. No. 15710-01) in a sandwich ELISA

### Working Dilutions

<b>ELISA</b>	Purified (UNLB) antibody	≤ 1 µg/mL
	BIOT conjugate	1:500 – 1:1,000

**Other Applications** Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.

**For Research Use Only. Not for Diagnostic or Therapeutic Use.**

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## Handling and Storage

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- The purified (UNLB) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- Reagents are stable for the period shown on the label if stored as directed.

## Warning

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Some reagents contain sodium azide. Please refer to product specific SDS.

TB15700  
18-Oct-19