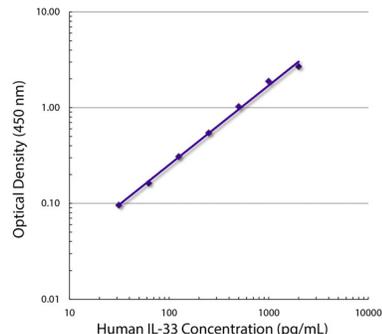




Mouse Anti-Human IL-33

Cat. No.	Format	Size
15710-01	Purified (UNLB)	0.5 mg
15710-08	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

Clone	SB127j
Isotype	Mouse (BALB/c) IgG _{2a} K
Immunogen	<i>E. coli</i> -expressed human IL-33
Specificity	Human IL-33
Alternate Name(s)	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- κ B 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 biotinylated clone SB127c (SB Cat. No. 15700-08) in a sandwich ELISA

Working Dilutions

ELISA	Purified (UNLB) antibody	$\leq 1 \mu\text{g/mL}$
	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

- 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/NaN₃. Store at 2-8°C.
- Reagents are stable for the period shown on the label if stored as directed.

Warning

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

TB15710
18-Oct-19