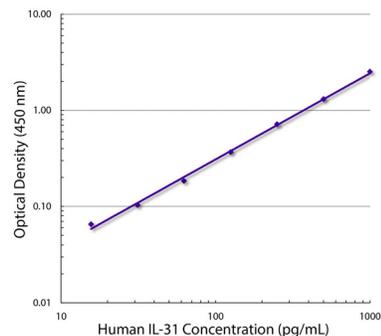




## Mouse Anti-Human IL-31

Cat. No.	Format	Size
15630-01	Purified (UNLB)	0.1 mg
15630-08	Biotin (BIOT)	0.1 mg



Standard curve generated with Mouse Anti-Human IL-31-UNLB and Mouse Anti-Human IL-31-BIOT (SB Cat. No. 15630-08; Clone SB118b) followed by Mouse Anti-BIOT-HRP (SB Cat. No. 6404-05)

### Overview

<b>Clone</b>	SB118b
<b>Isotype</b>	Mouse (BALB/c) IgG <sub>2b</sub> K
<b>Immunogen</b>	<i>E. coli</i> -expressed human IL-31
<b>Specificity</b>	Human IL-31
<b>Alternate Name(s)</b>	Interleukin-31

### Description

Interleukin-31 (IL-31) is a 24 kDa  $\alpha$ -helical protein and a member of the IL-6 family of cytokines that is preferentially expressed by CD4<sup>+</sup> T cells. This cytokine elicits its response by binding to a heterodimeric complex consisting of a gp130-like receptor chain and the oncostatin M receptor subunit. On target cells which include a broad range of immune and non-immune cells, IL-31 binding can induce activation of the Jak/STAT, AKT, and MAPK signaling pathways. Due to the ubiquitous expression of its receptor complex, IL-31 has numerous physiological roles that include regulating hematopoiesis and immune response. Over-expression has been linked to chronic inflammatory states such as dermatitis, pruritus, airway hypersensitivity, and inflammatory bowel disease.

### Applications

ELISA – Quality tested

### Working Dilutions

<b>ELISA</b>	Purified (UNLB) antibody	≤ 1 $\mu$ g/mL
	BIOT conjugate	1:500 – 1:2,000

**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 0.1 mg purified immunoglobulin in 0.1 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 0.1 mg in 0.2 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.