



Mouse Anti-Human IL-21

Cat. No.	Format	Size
15910-01	Purified (UNLB)	0.5 mg
15910-08	Biotin (BIOT)	0.5 mg

Overview

Clone	SB134f
Isotype	Mouse (BALB/c) IgG _{2a} K
Immunogen	<i>E. coli</i> -expressed human IL-21
Specificity	Human IL-21
Alternate Name(s)	Interleukin-21, Za11

Description

Interleukin-21 (IL-21) is a four helical bundle type I cytokine. The mature form of human IL-21 is a 131 amino acid protein. IL-21 is expressed primarily by NKT and CD4⁺ T cells, particularly the inflammatory Th17 subset, and has pleiotropic effects on both innate and adaptive immune responses. The effects of IL-21 include promotion of antibody production, NK cell differentiation, proliferation and differentiation of cells of monocyte and granulocyte lineages, costimulation of T cells, and augmentation of antitumor activity of CD8⁺ T cells. Studies have shown that IL-21 is also an autocrine cytokine that potently induces Th17 differentiation and suppresses Foxp3 expression, and serves as a target for treating inflammatory diseases.

Applications

ELISA – Quality tested

Note – May be paired with the purified clone SB134b (SB Cat. No. 15900-01) in a sandwich ELISA

Working Dilutions

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

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

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.

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

TB15910
18-Oct-19

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