



Mouse Anti-Human IL-21

Cat. No.	Format	Size
15900-01	Purified (UNLB)	0.5 mg

Overview

Clone	SB134b
Isotype	Mouse (BALB/c) IgG _{2b} 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 biotinylated clone SB134f (SB Cat. No. 15910-08) in a sandwich ELISA

Working Dilutions

ELISA	Purified (UNLB) antibody	≤ 1 µg/mL
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.
- Reagent is stable for the period shown on the label if stored as directed.

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

TB15900

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