

Product Data Sheet

Purified anti-human/mouse IL-21

Catalog # / Size: 514201 / 50 µg

Clone: 5H3-O12-L23 **Isotype:** Mouse IgG1, κ

Immunogen: Recombinant full length human IL-21

Reactivity: Human, Cross-Reactivity: Mouse* - weak affinity **Preparation:** The antibody was purified by affinity chromatography.

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing

0.09% sodium azide. Final antibody concentration is 0.5 mg/ml.

Concentration: 0.5 mg/ml

Storage: Upon receipt, store frozen at 4°C.

Applications:

Applications: WB - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western

blotting, suggested working dilution(s): Use 5 µg antibody per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be

titrated for optimal performance for each application.

Description: Interleukin 21 (IL-21) is a potent immunomodulatory cytokine mainly

produced by NKT and CD4+ T-cells, particularly the inflammatory Th17 subset and has pleiotropic effects on both innate and adaptive immune responses. These actions include positive effects such as enhancing proliferation of NK cells and cytotoxic T cells, and inhibitory effects on the antigen-presenting function of dendritic cells. It can also be proapoptotic for B cells and NK cells. Recent studies have shown that IL-21 is also an autocrine cytokine that potently induces T(H)17 differentiation and

suppresses Foxp3 expression, and serves as a target for treating inflammatory diseases.

Antigen References: 1. Nurieva R,et al. 2007. Nature 448:416.

2. Parrish-Novak J, et al. 2002. J. Leukocyte Biol. 72:856.

3. Dumoutier L, et al. 2000. Proc. Natl. Acad. Sci. USA 97:10144.

Asao H, et al. 2001. J. Immunol. 167:1.

5. Parrish-Novak J, et al. 2000. Nature 408:57.

Related Products: Product Purified Mouse IgG1, κ Isotype Ctrl

Cell Staining Buffer RBC Lysis Buffer (10X)

HRP Goat anti-mouse IgG (minimal x-reactivity)

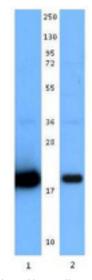
Clone Application MOPC-21

Poly4053

FC, ICFC, ICC, IF, IHC, IP, WB FC, ICC, ICFC

FC, ICFC

ELÍSA, IHC, WB



Recombinant Human IL-21 (lane 1) and Mouse IL-21 (lane 2) were resolved by electrophoresis, transferred to nitrocellulose, and probed with anti-HU/MU IL-21 antibody (clone 5H3-012-L23). Proteins were visualized using a goat anti-mouse IgG secondary conjugated to HRP and chémiluminescence detection.



