

**Manufacturer/Supplier:**

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**Product name:** Anti-Human IL-21 Monoclonal Antibody(APC  
Conjugated)

**Catalog:** DL22177F

**Synonyms:** Interleukin-21, IL-21, Zα11

**Background:** 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. Studies have shown that IL-21 is also an autocrine cytokine that potently induces Th17 differentiation,

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

**Form:** Liquid

**Isotype:** Mouse IgG1,  $\kappa$

**Size:**

20Tests/100Tests/100Tests $\times$ 2

**Host:** Mouse

**Reactivity:** Human

**Application:** ICFCM

**Concentration:** 5  $\mu$ L

**Conjugation:** APC

**SwissProt:** Q9HBE4

**Buffer:** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

### Recommended Use:

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

**Storage:**

Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.