

Datasheet for ABIN2666224
anti-IL-21 antibody (Biotin)



[Go to Product page](#)

2 Images

Overview

Quantity:	50 µg
Target:	IL-21 (IL21)
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IL-21 antibody is conjugated to Biotin
Application:	Intracellular Flow Cytometry (ICFC)

Product Details

Clone:	7H20-I19-M3
Isotype:	IgG1 kappa
Cross-Reactivity (Details):	Mouse* - weak affinity
Purification:	The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

Target Details

Target:	IL-21 (IL21)
Alternative Name:	IL-21 (IL21 Products)
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

Target Details

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.

Pathways: [JAK-STAT Signaling](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 0.5 mg/mL

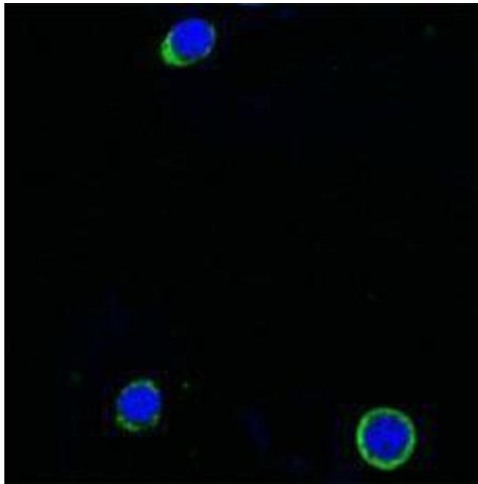
Buffer: phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide. Final antibody concentration is 0.5 mg/mL.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: Upon receipt, store frozen between 2°C and 8°C.



Immunofluorescence

Image 1.



Western Blotting

Image 2.