Datasheet for ABIN2665141

# anti-IL-21 antibody

2 Images

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## Overview

| | |
|---|---|
| Quantity: | 100 µg |
| Target: | IL-21 (IL21) |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This IL-21 antibody is un-conjugated |
| Application: | Biochemical Assay (BCA) |

## Product Details

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|---|---|
| Clone: | 3A3-N2 |
| Isotype: | IgG1 kappa |
| Cross-Reactivity: | Rhesus Monkey |
| Purification: | The antibody was purified by affinity chromatography. |

## Target Details

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|---|---|
| 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 enhancing proliferation of NK cells and cytotoxic T cells, and inhibitory effects on the antigen- |

## Target Details

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|---|---|
| | 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. |
| Pathways: | JAK-STAT Signaling, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response |

## Application Details

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|---|---|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

## Handling

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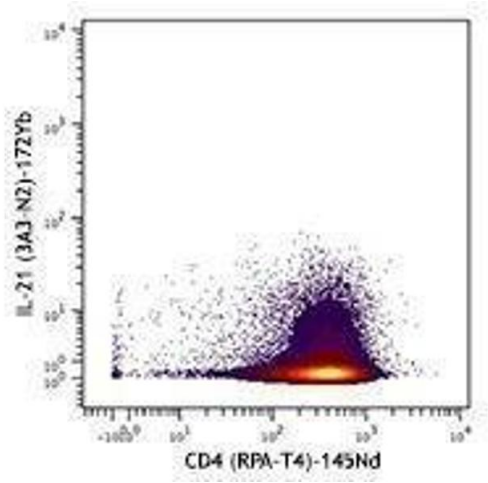
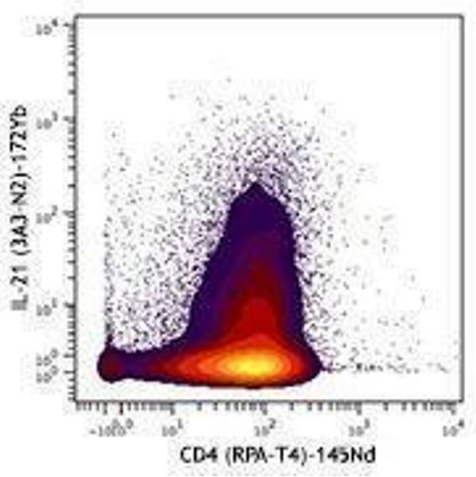
|---|---|
| Concentration: | 1.0 mg/mL |
| Buffer: | Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide and EDTA. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C |
| Storage Comment: | The antibody solution should be stored undiluted between 2°C and 8°C. |

## Images




**Flow Cytometry**

**Image 1.**




**Flow Cytometry**

**Image 2.**