



[Go to Product page](#)

Datasheet for ABIN2658206
anti-IL21 Receptor antibody (APC)

2 Images

Overview

| | |
|--------------|--|
| Quantity: | 100 tests |
| Target: | IL21 Receptor (IL21R) |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This IL21 Receptor antibody is conjugated to APC |
| Application: | Biochemical Assay (BCA) |

Product Details

| | |
|-------------------|--|
| Clone: | 2G1-K12 |
| Isotype: | IgG1 kappa |
| Cross-Reactivity: | Cynomolgus, Rhesus Monkey |
| Purification: | The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions. The solution is free of unconjugated APC and unconjugated antibody. |

Target Details

| | |
|-------------------|---|
| Target: | IL21 Receptor (IL21R) |
| Alternative Name: | CD360 (IL21R Products) |
| Background: | The human interleukin 21 receptor (IL-21R), is a single pass type I membrane protein and a member of the type I cytokine receptor family. Of the type I cytokine receptors, IL-21R exhibits the greatest extracellular homology to the IL-2R beta subunit, i.e., contains one copy of the |

Target Details

WSXWS-containing cytokine-binding domain. Intracellular domains of IL-21R include the Box 1 and Box 2 elements which are similar to the IL-9R intracellular region. Upon binding IL-21, the IL-21R forms a heterodimer with the common gamma subunit (CD132) and induces Jak/Stat signaling. IL-21R is expressed on B cells and at various levels on NK and T cells. 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 enhanced proliferation of natural killer (NK) cells and cytotoxic T cells that can destroy virally infected or cancerous cells and direct 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 Th17 differentiation and suppresses Foxp3 expression, and serves as a target for treating inflammatory diseases.

Pathways: [JAK-STAT Signaling](#)

Application Details

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

Restrictions: For Research Use only

Handling

Buffer: Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide and 0.2 % (w/v) BSA .

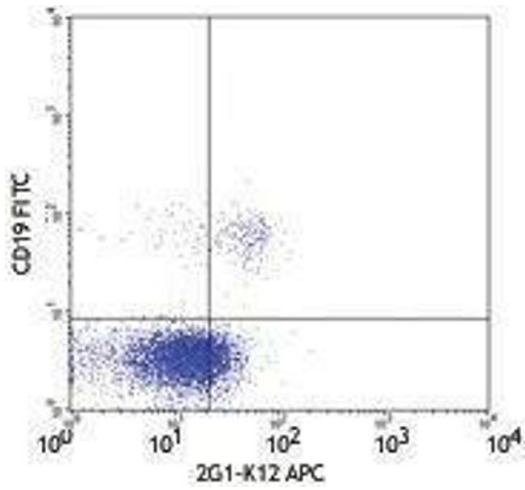
Preservative: Sodium azide

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

Handling Advice: Protect from prolonged exposure to light. Do not freeze.

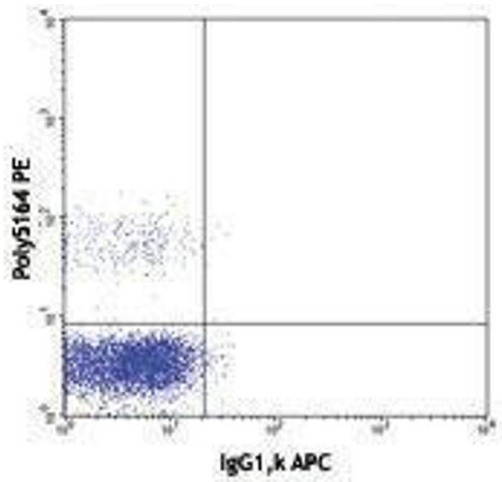
Storage: 4 °C

Storage Comment: The antibody solution should be stored undiluted between 2°C and 8°C.



Flow Cytometry

Image 1.



Flow Cytometry

Image 2.