

Anti-IL-21 Reference Antibody (Lilly patent anti-IL-21)

Recombinant Antibody Catalog # APR10954

Specification

Anti-IL-21 Reference Antibody (Lilly patent anti-IL-21) - Product Information

FC, E, FTA

Monoclonal

Rat, Cynomolgus, Human, Mouse, Rabbit

09HBE4

Application Primary Accession Reactivity Clonality Isotype

Isotype IgG1
Calculated MW 145.32 KDa

Anti-IL-21 Reference Antibody (Lilly patent anti-IL-21) - Additional Information

Target/Specificity

IL-21

Endotoxin

 $< 0.001EU/ \mu g$, determined by LAL method.

Conjugation Unconjugated

Expression system

CHO Cell

Format

Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

Anti-IL-21 Reference Antibody (Lilly patent anti-IL-21) - Protein Information

Name IL21 (<u>HGNC:6005</u>)

Function

Cytokine with immunoregulatory activity. May promote the transition between innate and adaptive immunity. Induces the production of IgG(1) and IgG(3) in B-cells (By similarity). Implicated in the generation and maintenance of T follicular helper (Tfh) cells and the formation of germinal-centers. Together with IL6, control the early generation of Tfh cells and are critical for an effective antibody response to acute viral infection (By similarity). May play a role in proliferation and maturation of natural killer (NK) cells in synergy with IL15. May regulate proliferation of mature B- and T-cells in response to activating stimuli. In synergy with IL15 and IL18 stimulates interferon gamma production in T-cells and NK cells (PubMed:11081504, PubMed:15178704). During T-cell mediated immune response may inhibit dendritic cells (DC) activation and maturation (By similarity).



Cellular Location Secreted.

Tissue Location

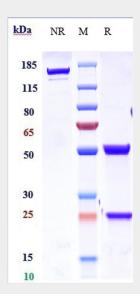
Expressed in activated CD4-positive T-cells but not in CD8-positive T-cells, B-cells, or monocytes

Anti-IL-21 Reference Antibody (Lilly patent anti-IL-21) - Protocols

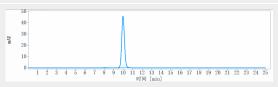
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Anti-IL-21 Reference Antibody (Lilly patent anti-IL-21) - Images



Anti-IL-21 Reference Antibody (Lilly patent anti-IL-21) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-IL-21 Reference Antibody (Lilly patent anti-IL-21)is more than 99.35% , determined by SEC-HPLC.