Anti-IL-21 Reference Antibody (avizakimab)
Recombinant Antibody
Catalog # APR10634

Specification

Anti-IL-21 Reference Antibody (avizakimab) - Product Information

Application	**FC, E, FTA**
Primary Accession	**Q9HBE4**
Reactivity	**Human**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**145 KDa**

Anti-IL-21 Reference Antibody (avizakimab) - Additional Information

Target/Specificity
IL-21

Endotoxin
< 0.001EU/ µg,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 (avizakimab) - Protein Information

Name IL21 (HGNC:6005)

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).
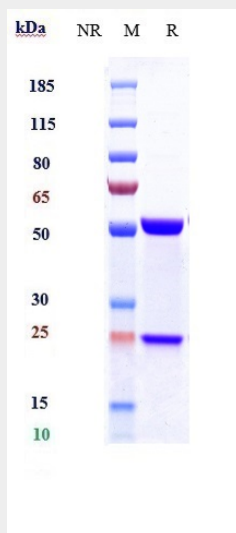
Cellular Location
Secreted.

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

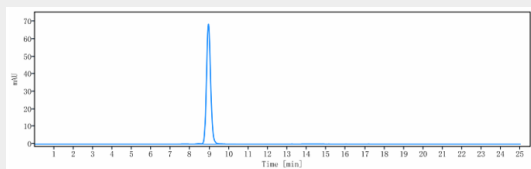## Anti-IL-21 Reference Antibody (avizakimab) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-IL-21 Reference Antibody (avizakimab) - Images

Anti-IL-21 Reference Antibody (avizakimab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%

The purity of Anti-IL-21 Reference Antibody (avizakimab)is more than 95% ,determined by SEC-HPLC.