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Anti-IL-22 Reference Antibody (fezakinumab)

Recombinant Antibody
Catalog # APR10162

Specification

Anti-IL-22 Reference Antibody (fezakinumab) - Product Information

Application	**FC, Kinetics, Animal Model**
Primary Accession	Q9GZX6
Reactivity	**Rat, Human**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**144.84 KDa**

Anti-IL-22 Reference Antibody (fezakinumab) - Additional Information

Target/Specificity
IL-22

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-22 Reference Antibody (fezakinumab) - Protein Information

Name IL22

Synonyms ILTIF, ZCYTO18

Function
Cytokine that plays a critical role in modulating tissue responses during inflammation (PubMed:17204547). Plays an essential role in the regeneration of epithelial cells to maintain barrier function after injury and for the prevention of further tissue damage (PubMed:17204547). Unlike most of the cytokines, has no effect on immune cells. Signals through a heterodimeric receptor composed of two subunits, the specific receptor IL22RA1 which is present on non-immune cells in many organs and the shared subunit IL10RB (PubMed:10875937, PubMed:18599299). Ligation of

IL22RA1 with IL22 induces activation of the tyrosine kinases JAK1 and TYK2, which in turn activates STAT3. In turn, promotes cell survival and proliferation through STAT3, ERK1/2 and PI3K/AKT pathways (PubMed:25793261, PubMed:31311100). Promotes phosphorylation of GSK3B at 'Ser-9' and CTTN (By similarity). Promotes epithelial cell spreading (By similarity).

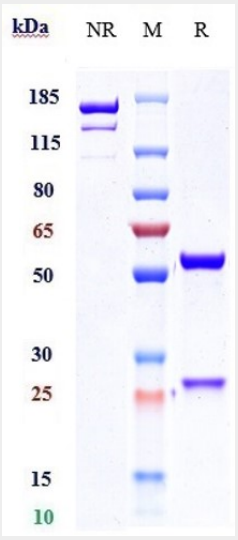
Cellular Location
Secreted.

Anti-IL-22 Reference Antibody (fezakinumab) - Protocols

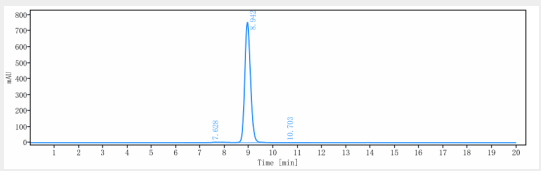
Provided below are standard protocols that you may find useful for product applications.

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

Anti-IL-22 Reference Antibody (fezakinumab) - Images



Anti-IL-22 Reference Antibody (fezakinumab) 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-22 Reference Antibody (fezakinumab)is more than 99.05% ,determined by SEC-HPLC.

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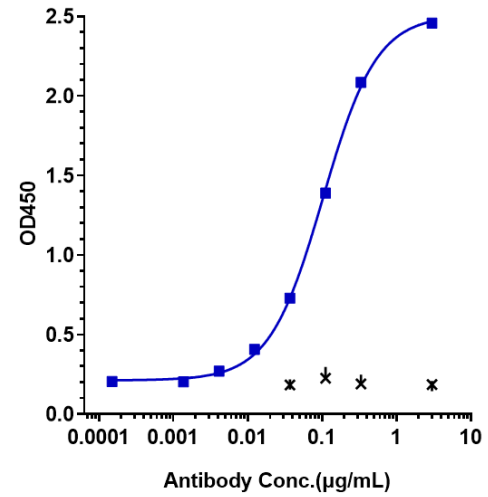

Immobilized human IL 22, Fc Tag at 2 μg/mL can bind Anti-IL-22 Reference Antibody (fezakinumab)，EC50=0.103 μg/mL