

**Anti-IL-22 Reference Antibody (fezakinumab)
Recombinant Antibody
Catalog # APR10162****Specification**

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

Application	FC, E, FTA
Primary Accession	O9GZX6
Reactivity	Rat, Cynomolgus, 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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/10875937), PubMed: [18599299](http://www.uniprot.org/citations/18599299)). Ligand 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).

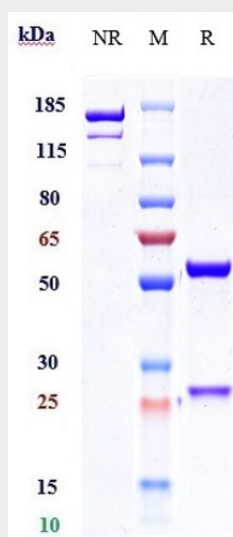
Cellular Location
Secreted.

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

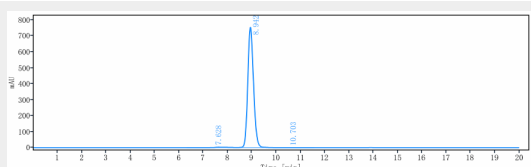
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

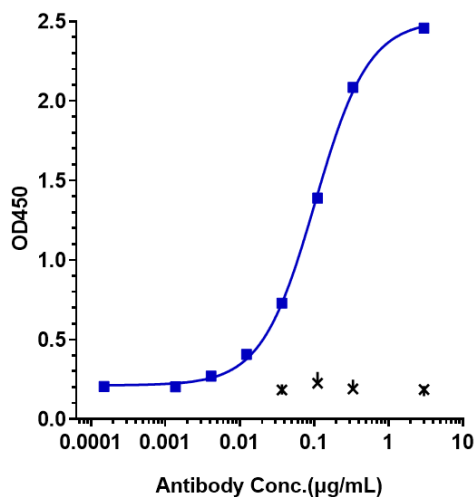
Anti-IL-22 Reference Antibody (fezakinumab) - Images



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.



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