

Anti-IL-22 Reference Antibody (fezakinumab)

Recombinant Antibody
Catalog # APR10162

Product Information

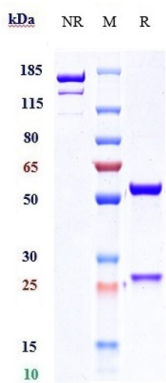
Application	FC, Kinetics, Animal Model
Primary Accession	Q9GZX6
Reactivity	Human, Rat
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	20011

Additional Information

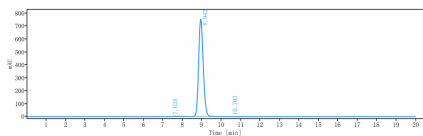
Target/Specificity	IL-22
Endotoxin Conjugation	Unconjugated
Expression system	CHO Cell
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

Protein Information

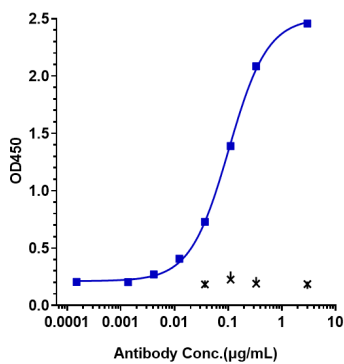
Name	IL22
Synonyms	ILTIF, ZCYTO18
Function	Cytokine that plays a critical role in modulating tissue responses during inflammation (PubMed: 17204547). Plays an essential role in the regeneration of epithelial cells to maintain barrier function after injury and for the prevention of further tissue damage (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) 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),EC50=0.103 µg/mL

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.