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Anti-IL-23a Reference Antibody (risankizumab)

Recombinant Antibody
Catalog # APR10031

Specification

Anti-IL-23a Reference Antibody (risankizumab) - Product Information

Application	**FC, Kinetics, Animal Model**
Primary Accession	Q9NPF7
Reactivity	**Human**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**145.92 KDa**

Anti-IL-23a Reference Antibody (risankizumab) - Additional Information

Target/Specificity
IL-23a

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-23a Reference Antibody (risankizumab) - Protein Information

Name IL23A

Synonyms SGRF

Function
Associates with IL12B to form the pro-inflammatory cytokine IL-23 that plays different roles in innate and adaptive immunity (PubMed:11114383). Released by antigen-presenting cells such as dendritic cells or macrophages, binds to a heterodimeric receptor complex composed of IL12RB1 and IL23R to activate JAK2 and TYK2 which then phosphorylate the receptor to form a docking site leading to the phosphorylation of STAT3 and STAT4 (PubMed:29287995, PubMed:32474165, PubMed:33606986). This process leads to activation of several pathways including p38 MAPK or NF-kappa-B and promotes the

production of pro- inflammatory cytokines such as interleukin-17A/IL17A (PubMed:12023369). In turn, participates in the early and effective intracellular bacterial clearance (PubMed:32474165). Promotes the expansion and survival of T-helper 17 cells, a CD4-positive helper T-cell subset that produces IL-17, as well as other IL-17-producing cells (PubMed:17676044).

Cellular Location
Secreted. Note=Secreted upon association with IL12B

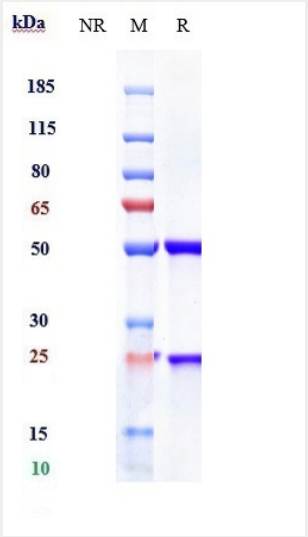
Tissue Location
Secreted by activated dendritic and phagocytic cells and keratinocytes. Also expressed by dermal Langerhans cells (at protein level).

Anti-IL-23a Reference Antibody (risankizumab) - 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-23a Reference Antibody (risankizumab) - Images



Anti-IL-23a Reference Antibody (risankizumab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%

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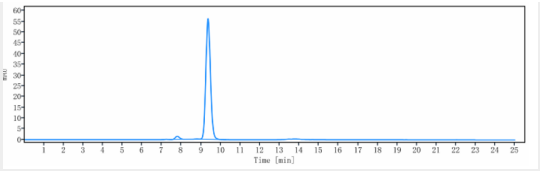
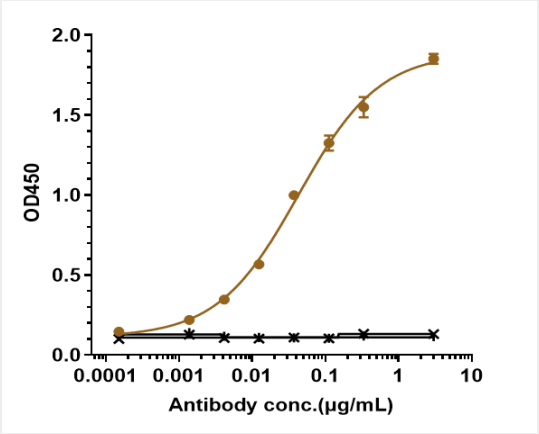


The purity of Anti-IL-23a Reference Antibody (risankizumab)is more than 100% ,determined by SEC-HPLC.



Immobilized human IL 23P40 His at 2 μg/mL can bind Anti-IL-23a Reference Antibody (risankizumab)EC50=0.04262 μg/mL.