

**Anti-OSMR Reference Antibody (vixarelimab)  
Recombinant Antibody  
Catalog # APR10201**

**Specification**

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**Anti-OSMR Reference Antibody (vixarelimab) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | FC, E, FTA             |
| Primary Accession | <a href="#">Q99650</a> |
| Reactivity        | Cynomolgus, Human      |
| Clonality         | Monoclonal             |
| Isotype           | IgG4SP                 |
| Calculated MW     | 145 KDa                |

**Anti-OSMR Reference Antibody (vixarelimab) - Additional Information**

**Target/Specificity**  
OSMR

**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-OSMR Reference Antibody (vixarelimab) - Protein Information**

**Name** OSMR

**Synonyms** OSMRB

**Function**  
Associates with IL31RA to form the IL31 receptor. Binds IL31 to activate STAT3 and possibly STAT1 and STAT5. Capable of transducing OSM-specific signaling events.

**Cellular Location**  
Membrane; Single-pass type I membrane protein

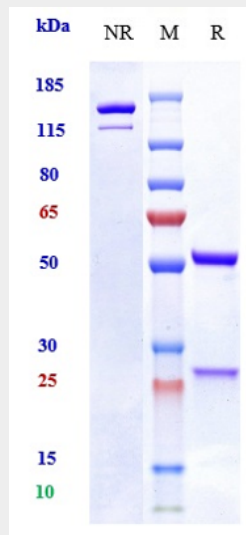
**Tissue Location**  
Expressed in keratinocytes (at protein level) (PubMed:21261663). Expressed at relatively high levels in all neural cells as well as fibroblast and epithelial cells (PubMed:8999038)

## Anti-OSMR Reference Antibody (vixarelimab) - Protocols

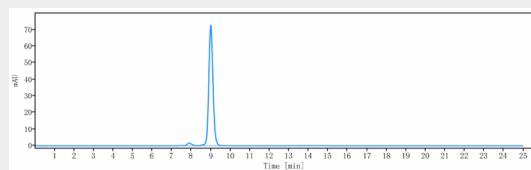
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

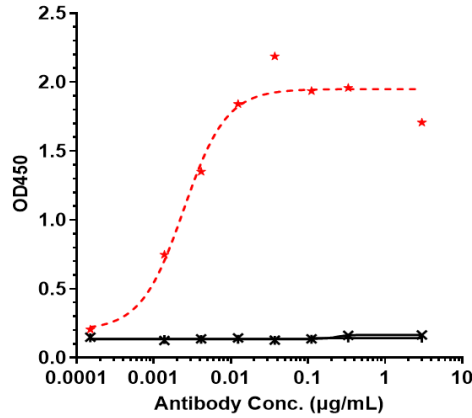
## Anti-OSMR Reference Antibody (vixarelimab) - Images



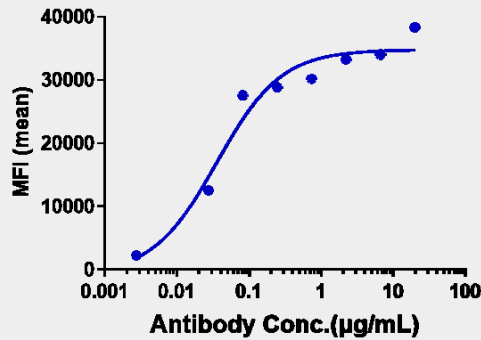
Anti-OSMR Reference Antibody (vixarelimab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



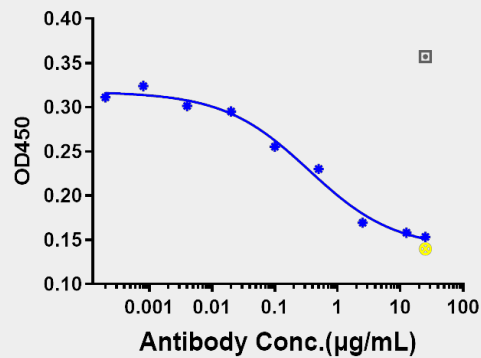
The purity of Anti-OSMR Reference Antibody (vixarelimab) is more than 96.9% ,determined by SEC-HPLC.



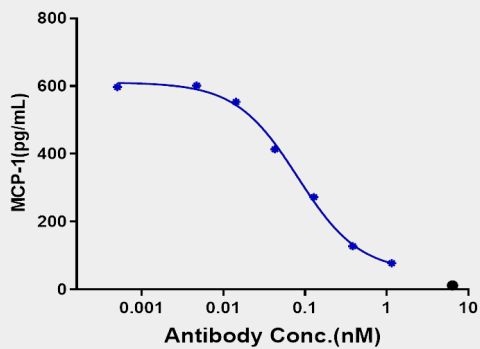
Immobilized human OSMR His at 2 µg/mL can bind Anti-OSMR Reference Antibody (vixarelimab) □ EC50=0.0024 µg/mL



Human OSMR HEK293 cells were stained with Anti-OSMR Reference Antibody (vixarelimab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC261=0.0359 µg/mL



Anti-OSMR Reference Antibody (vixarelimab) P-STAT3 Assay was evaluated using NHDF. The IC50 was approximately 0.3493 nM.



Anti-OSMR Reference Antibody (vixarelimab) MCP-1 secretion was evaluated using NHDF. The IC50 was approximately 0.0812 nM.