

Anti-IL-6Ra / CD126 Reference Antibody (vobarilizumab)

Recombinant Antibody

Catalog # APR10258

Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	P08887
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	51548

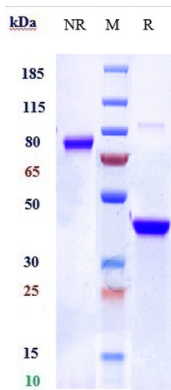
Additional Information

Target/Specificity	IL-6Ra / CD126
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.

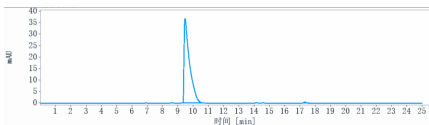
Protein Information

Name	IL6R (HGNC:6019)
Function	Part of the receptor for interleukin 6. Binds to IL6 with low affinity, but does not transduce a signal (PubMed: 28265003). Signal activation necessitate an association with IL6ST. Activation leads to the regulation of the immune response, acute-phase reactions and hematopoiesis (PubMed: 30995492 , PubMed: 31235509). The interaction with membrane-bound IL6R and IL6ST stimulates 'classic signaling', the restricted expression of the IL6R limits classic IL6 signaling to only a few tissues such as the liver and some cells of the immune system. Whereas the binding of IL6 and soluble IL6R to IL6ST stimulates 'trans- signaling'. Alternatively, 'cluster signaling' occurs when membrane- bound IL6:IL6R complexes on transmitter cells activate IL6ST receptors on neighboring receiver cells (Probable).
Cellular Location	[Isoform 1]: Cell membrane {ECO:0000250 UniProtKB:P22272}; Single-pass type I membrane protein [Soluble interleukin-6 receptor subunit alpha]: Secreted
Tissue Location	[Isoform 2]: Expressed in peripheral blood mononuclear cells and weakly found in urine and serum. 1%-20% of the total sIL6R in plasma is generated by alternative splicing (PubMed:28060820).

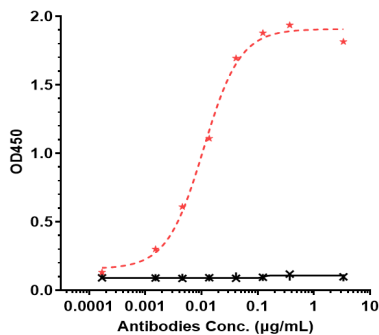
Images



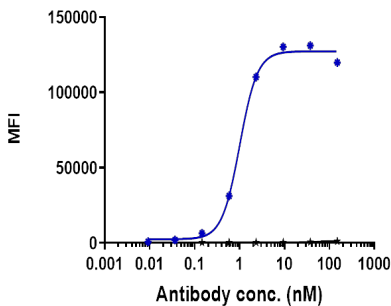
Anti-IL-6Ra / CD126 Reference Antibody (vobarilizumab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 96.9%



The purity of Anti-IL-6Ra / CD126 Reference Antibody (vobarilizumab) is more than 99.34% ,determined by SEC-HPLC.



Immobilized human IL 6R His at 2 µg/mL can bind Anti-IL-6Ra / CD126 Reference Antibody (vobarilizumab),EC50=0.0158 µg/mL



Human IL6R CHO cells were stained with Anti-IL-6Ra / CD126 Reference Antibody (vobarilizumab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC320=1.0090 nM

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