

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

Recombinant Antibody Catalog # APR10258

Product Information

Application FC, Kinetics, Animal Model

Primary Accession
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:<u>28265003</u>). Signal activation necessitate an association with IL6ST. Activation leads to the regulation of the immune response, acute-phase reactions and hematopoiesis (PubMed:<u>30995492</u>, PubMed:<u>31235509</u>). 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]:

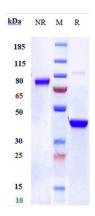
Secreted

Tissue Location [Isoform 2]: Expressed in peripheral blood mononuclear cells and weakly

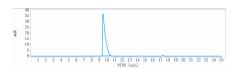
found in urine and serum. 1%-20% of the total sIL6R in plasma is generated

by alternative splicing (PubMed:28060820).

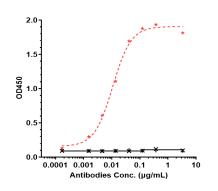
Images



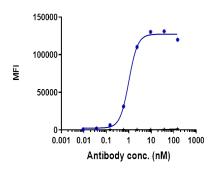
Anti-IL-6Ra / CD126 Reference Antibody (vobarilizumab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 96.9%



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

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