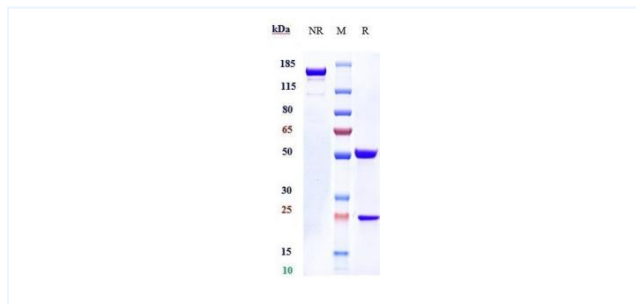


## Product Details

Product name:	Anti-human IL-31Ra (nemolizumab Biosimilar)	SKU:	BIO0207SM
Target Name:	IL-31Ra	Size:	1 mg/5 mg/20 mg
Target Uniprot:	Q8NI17	Concentration:	Lyophilized
Clone#:	nemolizumab	Isotype:	Human IgG2
Reactivity:	Human, Cynomolgus	Calculated M.W.:	144.92 kDa
Application:	ELISA, Bioactivity: FACS, Functional assay, Research in vivo	Endotoxin:	<0.001 EU/ug
Formulation:	0.1M Pro, 20mM Arg, pH5.0	Conjugation:	None
Storage:	For long term storage, the produce should be stored at -20° C or lower.	Expression System:	CHO
Reconstitution:	Dissolve with sterile ddH2O	Purification:	Protein A

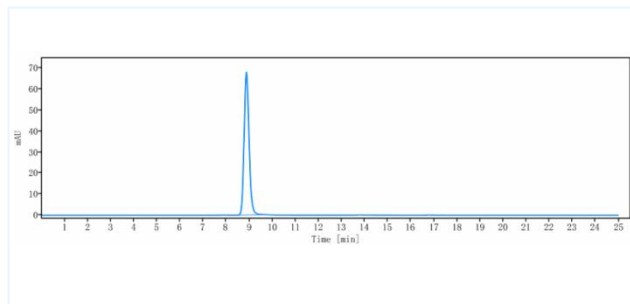
## Data

### Purity:SDS-PAGE



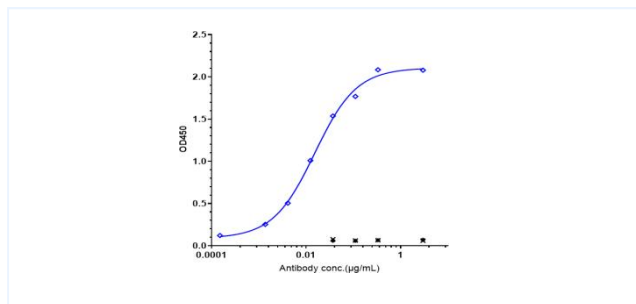
Anti-IL-31Ra (nemolizumab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

### Purity:SEC-HPLC



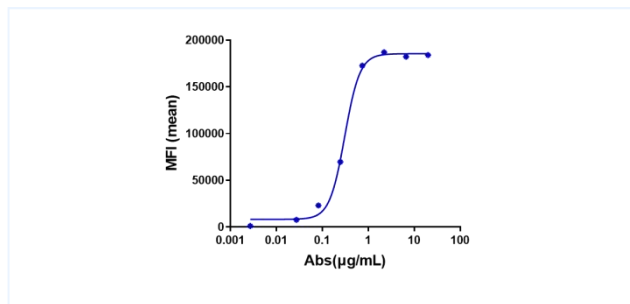
The purity of Anti-IL-31Ra (nemolizumab) is 100%, determined by SEC-HPLC.

### Bioactivity:ELISA



Immobilized human IL31R His at 2 ug/mL can bind Anti-IL-31Ra (nemolizumab), EC50=0.0153 ug/mL.

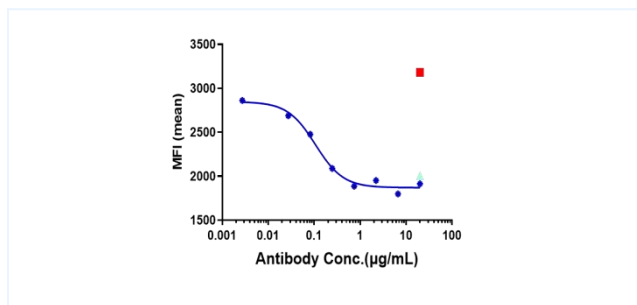
### Bioactivity:FACS



Human IL31R HEK293 cells were stained with Anti-IL-31Ra (nemolizumab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC50=0.307 ug/mL.

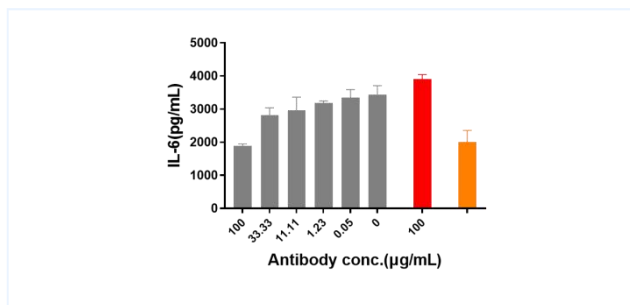
**Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

### Function: Phosphorylation



Anti-IL-31Ra (nemolizumab) P-STAT3 Assay was evaluated using Du145. The IC<sub>50</sub> was approximately 0.1068 µg/ml.

### Function: Activation Inhibition



Anti-IL-31Ra (nemolizumab) Activation inhibition was evaluated using Hacat. The max induction fold was approximately 1.86.