

# Product Datasheet

## **IL-31RA Antibody - Humanized, IgG2SA, (Research Grade nemolizumab Biosimilar) - Low Endotoxin, Azide and BSA Free**

**NBP3-28357-100ug**

Unit Size: 100 ug

Store at -20C in powder form. Store at -80C once reconstituted.

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**NBP3-28357-100ug**

IL-31RA Antibody - Humanized, IgG2SA, (Research Grade nemolizumab Biosimilar) - Low Endotoxin, Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at -20C in powder form. Store at -80C once reconstituted.
Clonality	Monoclonal
Preservative	No Preservative
Reconstitution Instructions	Reconstitute with sterile, distilled water to a final concentration of 1 mg/ml. Gently shake to solubilize completely. Do not vortex.
Isotype	IgG2
Purity	Protein A purified
Buffer	Lyophilized from 25mM histidine, 8% sucrose, 0.01% Tween80 (pH6.2)

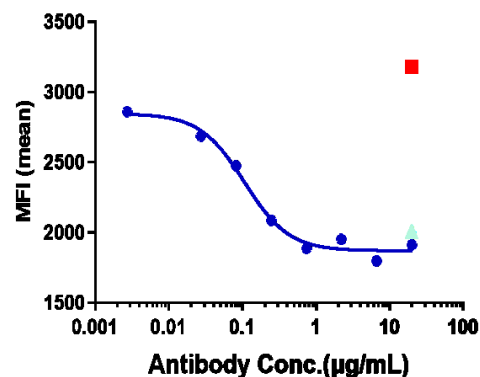
Product Description	
Description	<p>Expressed from CHO. The heavy chain type is hulG2, and the light chain type is hukappa. It has a predicted MW of 145.5 kDa.</p> <p>Also known as 'nemolizumab'.</p> <p>IgG2SA is human IgG2 with S378A mutation.</p> <p>This product is shipped at ambient temperature. Upon receipt, store immediately at -20C or lower for 12 months in a lyophilized state. - 80C for 3 months after reconstitution. Avoid repeated freeze-thaw cycles.</p>
Host	Human
Gene ID	133396
Gene Symbol	IL31RA
Species	Human
Reactivity Notes	Predicted species reactivity: Cynomolgus
Immunogen	IL-31Ra
Endotoxin Note	< 0.001EU/ug,determined by LAL method.

Product Application Details	
Applications	ELISA, Flow Cytometry, Functional
Recommended Dilutions	Flow Cytometry, ELISA, Functional

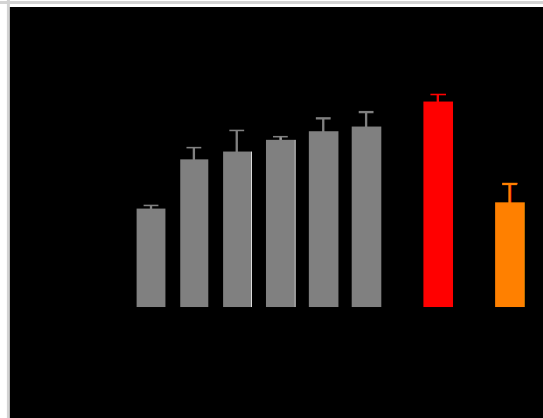


## Images

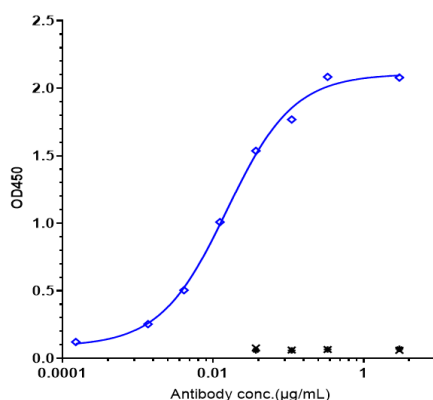
IL-31RA Antibody (nemolizumab) - Humanized, IgG2SA P-STAT3 Assay was evaluated using Du145. The IC<sub>50</sub> was approximately 0.1068 ug/ml.



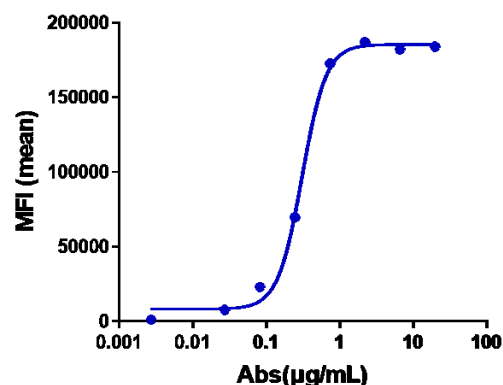
IL-31RA Antibody (nemolizumab) - Humanized, IgG2SA Activation inhibition was evaluated using Hacat. The max induction fold was approximately 1.86.



Immobilized human IL31R His at 2 ug/mL can bind IL-31RA Antibody (nemolizumab) - Humanized, IgG2SA, EC<sub>50</sub>=0.0153 ug/mL.



Human IL31R HEK293 cells were stained with IL-31RA Antibody (nemolizumab) - Humanized, IgG2SA and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC<sub>50</sub>=0.307 ug/mL.





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### **Products Related to NBP3-28357-100ug**

G-102-C	Goat anti-Human IgG Secondary Antibody [Unconjugated]
NB7446	Goat anti-Human IgG Fc Secondary Antibody
DDXCH02P-100	Human IgG2 Isotype Control
NBP2-68866PEP	IL-31RA Recombinant Protein Antigen

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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