

# Product Datasheet

## CD47 Antibody - (Research Grade Iemzoparlimab Biosimilar) - Low Endotoxin, Azide and BSA Free NBP3-28315-100ug

Unit Size: 100 ug

Store at 4C.

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**NBP3-28315-100ug**

CD47 Antibody - (Research Grade lemozoparlimab Biosimilar) - Low Endotoxin, Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at 4C.
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	IgG4
Purity	Protein A purified
Buffer	Lyophilized from 25mM histidine, 8% sucrose, 0.01% Tween80 (pH6.2)

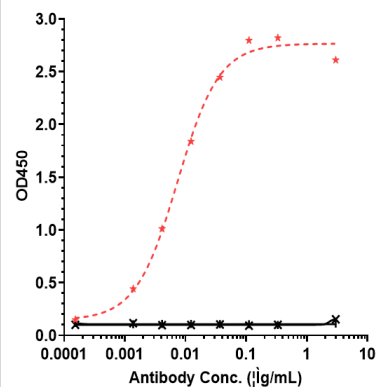
Product Description	
Description	<p>Expressed from CHO. The heavy chain type is hulG4SP, and the light chain type is hukappa. It has a predicted MW of 145.5 kDa.</p> <p>Also known as 'lemzoparlimab'.</p> <p>Upon receipt, store immediately at -20C or lower for 24 months in a lyophilized state. - 80C for 3 months after reconstitution. Avoid repeated freeze-thaw cycles.</p>
Host	Human
Gene ID	961
Gene Symbol	CD47
Species	Human
Immunogen	CD47
Endotoxin Note	< 0.001EU/ug,determined by LAL method.

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

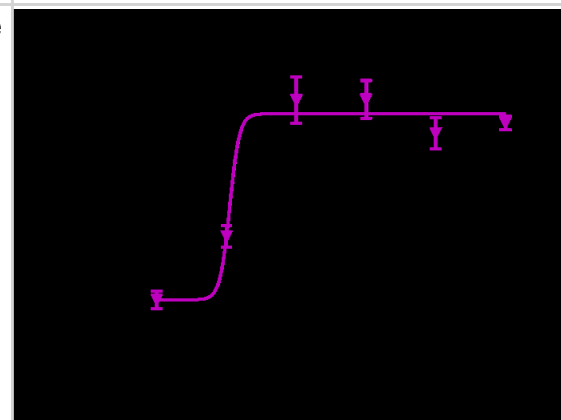


## Images

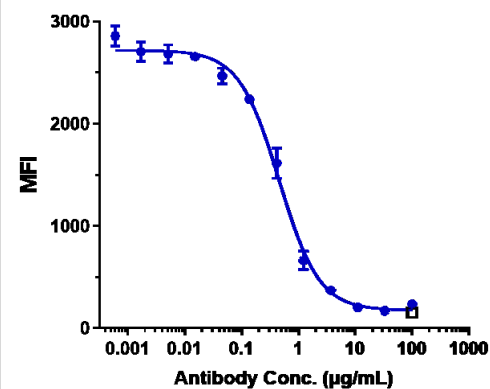
Immobilized Recombinant human CD47 (c His) at 1.5 ug/mL can bind CD47 Antibody (lemzoparlimab),  $EC_{50}=0.0163$  ug/mL.



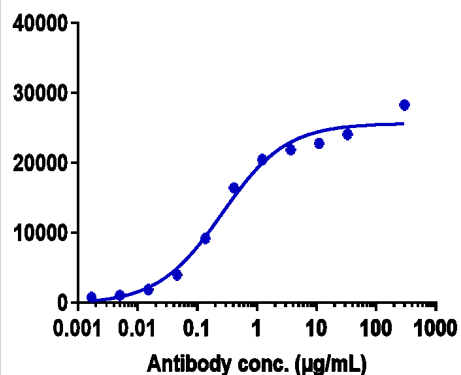
The phagocytosis ratio lemzoparlimab by CCRF-CEM increased with the increase of antibody concentration, and the phagocytosis Rate (%) reached 43%.



CD47 Antibody (lemzoparlimab) FACS Blocking was evaluated using CCRF-CEM. The  $IC_{50}$  was approximately 0.4557 ug/mL.



PANC-1 cells were stained with CD47 Antibody (lemzoparlimab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS,  $EC_{50}=0.265$  ug/mL.





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### **Products Related to NBP3-28315-100ug**

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G-102-C	Goat anti-Human IgG Secondary Antibody [Unconjugated]
NB7446	Goat anti-Human IgG Fc Secondary Antibody
DDXCH04P-100	Human IgG4 Isotype Control
NBP2-52320-0.05mg	Recombinant Human CD47 hIgG-His Protein

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### **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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