



CERTIFICATE OF ANALYSIS

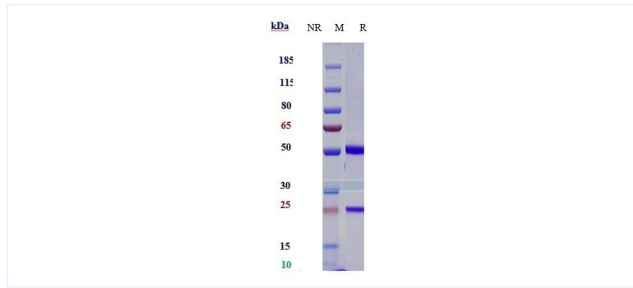


Product Details

Product name:	Anti-CD47 Reference Antibody (lemzoparlimab)	Lot.No.:	P22349
Target:	CD47	Catalog:	CHA867
Target Accession:	Q08722	Concentration :	1 mg/mL
Clonality:	Monoclonal	Isotype:	IgG4
Reactivity:	Human	Molecular Weight (kDa) :	145.58 kDa
Application:	Kinetics (SPR), ELISA, Bioactivity: FACS, Functional assay, Research in vivo	Endotoxin:	<1 EU/mg
Formulation:	Liquid: 100mM Pro-Ac, 20mM Arg pH 5.0 Lyophilization: 25mM histidine, 8% sucrose, 0.01% Tween80 pH6.2	Conjugation:	Unconjugated
Reconstitution:	For Powder, reconstitute with sterile, distilled water to a final concentration of 1 mg/ml. Gently shake to solubilize completely. Do not vortex.	Expression System:	CHO
Storage:	-80°C for 2 years under sterile conditions; -20°C for 1 year under sterile conditions; Avoid repeated freeze-thaw cycles.	Purification:	Protein A

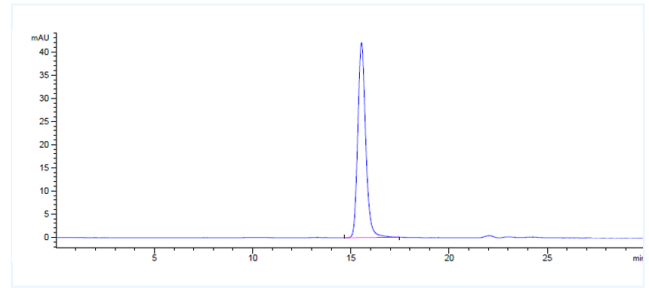
Data

Purity: SDS-PAGE



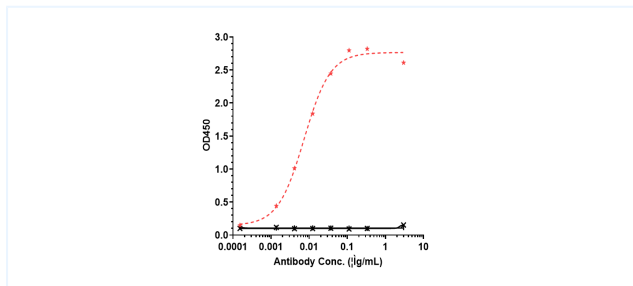
Anti-CD47 Reference Antibody (lemzoparlimab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

Purity: SEC-HPLC



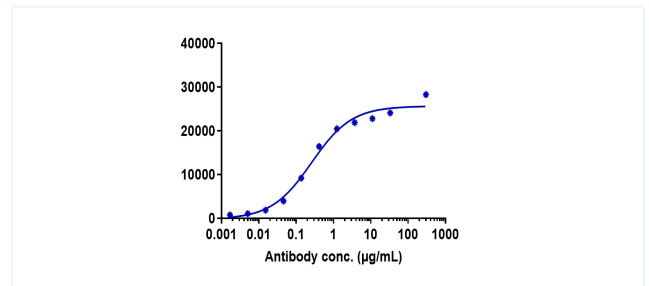
The purity of Anti-CD47 Reference Antibody (lemzoparlimab) is 100%, determined by SEC-HPLC.

Bioactivity: ELISA



Immobilized Recombinant human CD47 (c His) at 1.5 ug/mL can bind Anti-CD47 Reference Antibody (lemzoparlimab), EC50=0.0163 ug/mL.

Bioactivity: FACS



PANC-1 cells were stained with Anti-CD47 Reference Antibody (lemzoparlimab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC50=0.265 ug/mL.

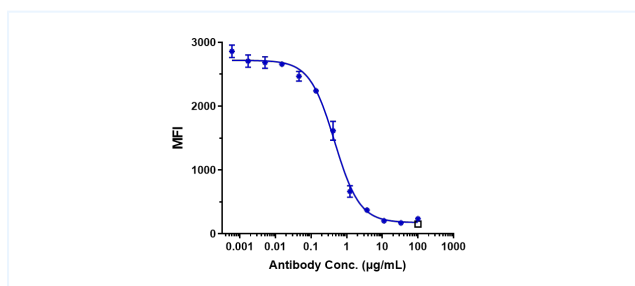
The products are for research use only. Not for use in diagnostic procedures.



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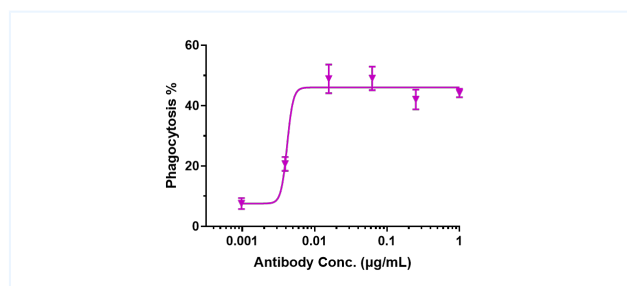


Function: Blocking



Anti-CD47 Reference Antibody (lemzoparlimab) FACS Blocking was evaluated using CCRF-CEM. The IC50 was approximately 0.4557 µg/mL.

Function: ADCC



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

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