



CERTIFICATE OF ANALYSIS



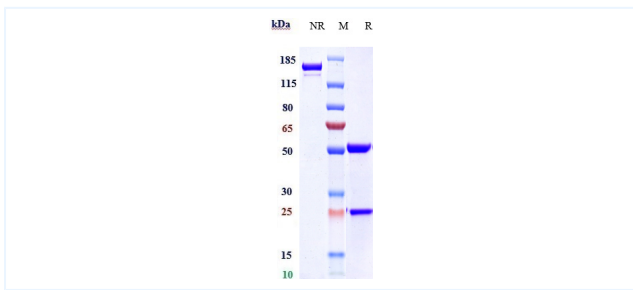
Product Details

Product name:	Anti-CLDN6 Reference Antibody (IMAB027)	Lot.No.:	P105830
Target:	CLDN6 / CLD6	Catalog:	CHA182
Target Accession:	P56747	Concentration :	1 mg/mL
Clonality:	Monoclonal	Isotype:	Human IgG1
Reactivity:	Human	Molecular Weight (kDa) :	150 kDa
Application:	FCM, In Vivo, ELISA, Function: ADCC	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

Purity: SEC-HPLC

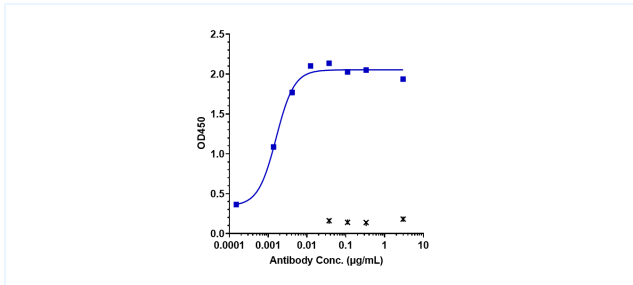


Anti- Human CLDN6 (IMAB027) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



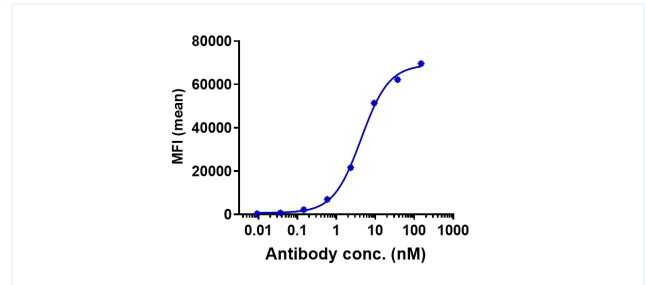
The purity of Anti- Human CLDN6 (IMAB027) is 98.41%, determined by SEC-HPLC.

Bioactivity: ELISA



Immobilized human CLDN6 (VLP, 8 µg/mL) can bind to Anti- Human CLDN6 (IMAB027) with an EC50 of 0.001599 ug/mL.

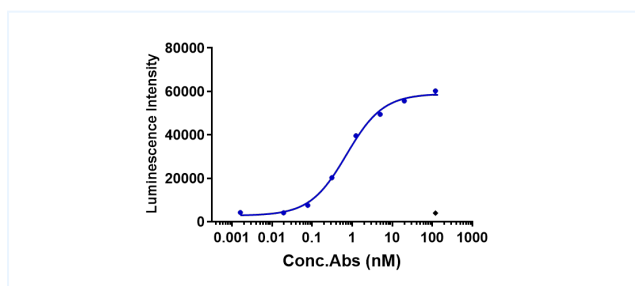
Bioactivity: FACS



Human CLDN6-expressing CHO cells were stained with Anti- Human CLDN6 (IMAB027) , with isotype and secondary-only controls. Flow analysis showed specific binding of the antibody, with an EC50 of 4.342 nM.

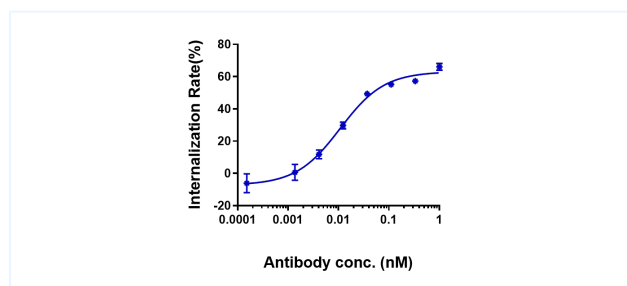
The products are for research use only. Not for use in diagnostic procedures.

Function: ADCC



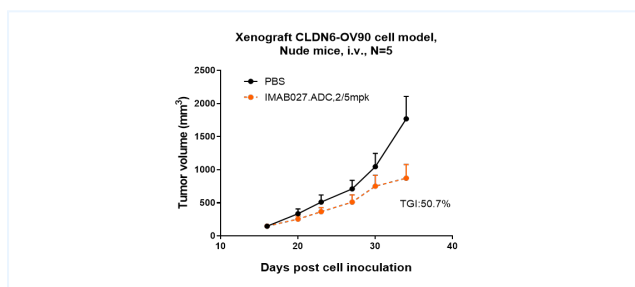
The ADCC activity of the anti-human CLDN6 (IMAB027) was evaluated using a human CLDN6-expressing luciferase reporter Jurkat cell line. Results demonstrated dose-dependent induction of ADCC, with a maximum fold increase of approximately 14.16 relative to baseline.

Function: Internalization



The internalization rate of the anti-human CLDN6 (IMAB027) in human CLDN6 HEK293 cells increased in an antibody concentration-dependent manner, reaching 60% at 1 nM.

Research in vivo



Anti-Human CLDN6 (IMAB027) inhibited the tumor growth of OV90 on Balb/c nude mice. The result showed significant anti-tumor effects, with a tumor inhibition rate (TGI) of 50.7% at 5 mpk at D34.

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