



# CERTIFICATE OF ANALYSIS



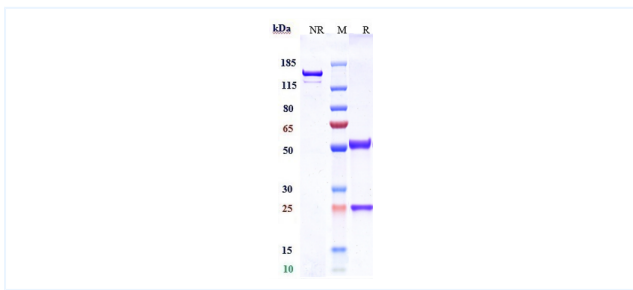
## Product Details

Product name:	Anti-CLDN6 Reference Antibody (DS-9606a)	Lot.No.:	P219499
Target:	CLDN6 / CLD6	Catalog:	CHB232
Target Accession:	P56747	Concentration :	1 mg/mL
Clonality:	Monoclonal	Isotype:	Human IgG1
Reactivity:	Human CLDN6	Molecular Weight (kDa) :	145.84 kDa
Application:	FCM, In Vivo, ELISA	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

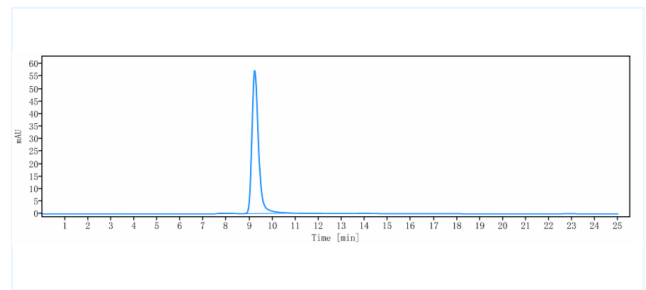
## Data

Purity: SDS-PAGE

Purity: SEC-HPLC

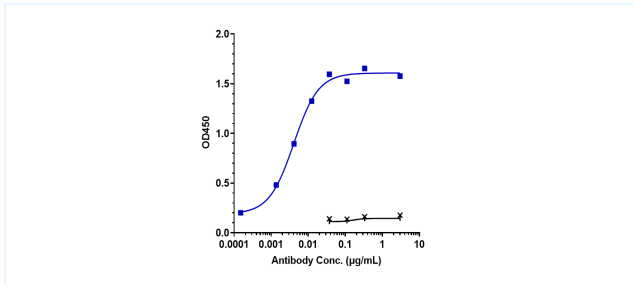


Anti- Human CLDN6 ( DS-9606a) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



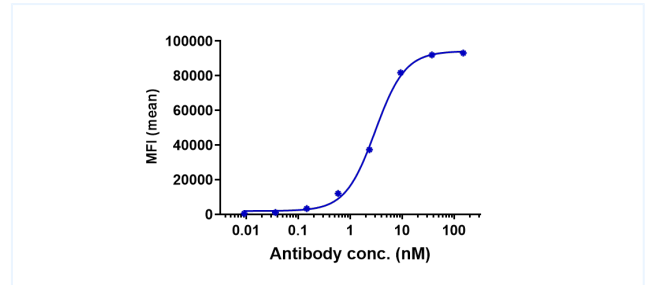
The purity of Anti- Human CLDN6 ( DS-9606a) is 99.37%, determined by SEC-HPLC.

#### Bioactivity: ELISA



Immobilized human CLDN6 (VLP, 2µg/mL) can bind to Anti- Human CLDN6 ( DS-9606a) with an EC50 of 0.00407 ug/mL.

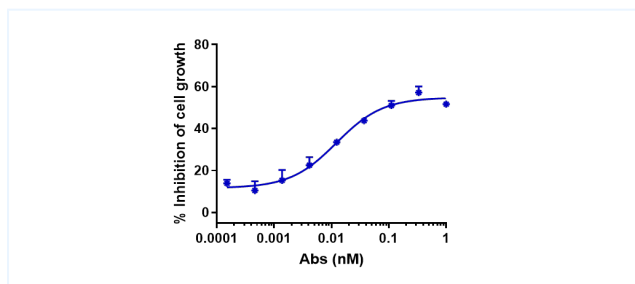
#### Bioactivity: FACS



Human CLDN6-expressing CHO cells were stained with Anti- Human CLDN6 ( DS-9606a) , with isotype and secondary-only controls. Flow analysis showed specific binding of the antibody, with an EC50 of 3.036 nM.

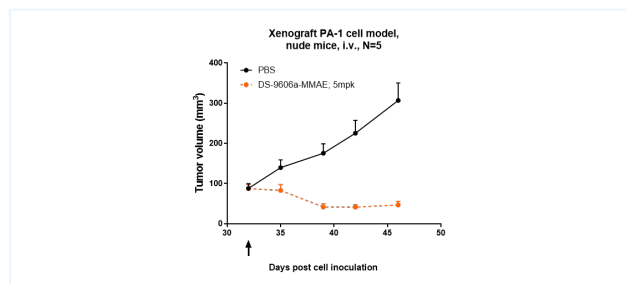
The products are for research use only. Not for use in diagnostic procedures.

## Function: Internalization



The endocytosis ratio anti-human CLDN6 (DS-9606a) by Human CLDN6 HEK293 increased with the increase of antibody concentration, and the Internalization Rate (%) reached 60% at antibody concentration of 1 nM.

## Research in vivo



Anti-Human CLDN6 (DS-9606a) inhibited the tumor growth of PA-1 on Balb/c nude mice. The result showed significant anti-tumor effects, with an tumor inhibition rate (TGI) of 84.7% at 5 mpk at D46.

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