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Anti-CLDN6 Reference Antibody (DS-9606a)

Recombinant Antibody
Catalog # APR10015

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P56747
Clonality	Monoclonal
Isotype	Human IgG1
Calculated MW	23292

Additional Information

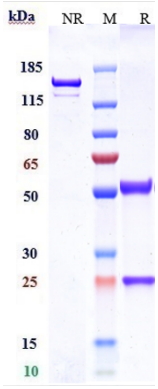
Target/Specificity	CLDN6
Endotoxin	
Conjugation	Unconjugated
Expression system	CHO
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

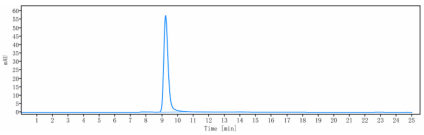
Protein Information

Name	CLDN6
Function	Plays a major role in tight junction-specific obliteration of the intercellular space.
Cellular Location	Cell junction, tight junction {ECO:0000250|UniProtKB:Q9Z262}. Cell membrane; Multi-pass membrane protein
Tissue Location	Expressed in the liver, in peripheral blood mononuclear cells and hepatocarcinoma cell lines

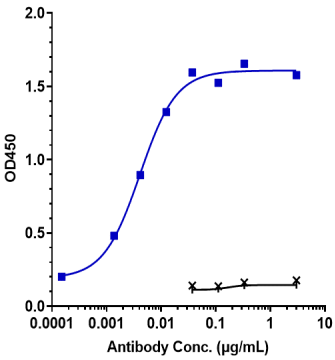
Images

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

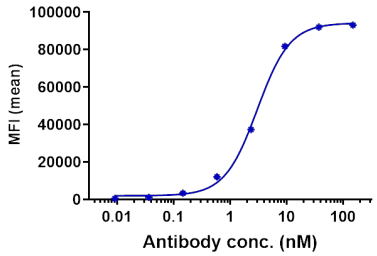




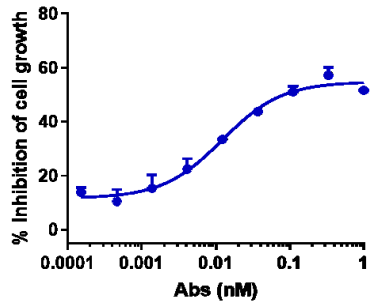
The purity of Anti- Human CLDN6(DS-9606a) is 99.37%, determined by SEC-HPLC.



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

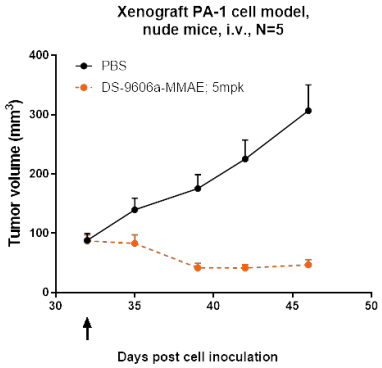


Human CLDN6-expressing CHO cells were stained with Anti- Human CLDN6(DS-9606a), with isotype and secondary-only controls. Flow analysis showed specific binding of the antibody, with an EC50 of 3.036 nM.



The 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.

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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