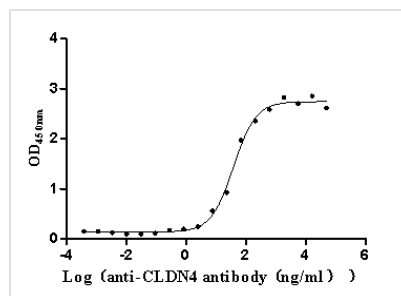




CLDN4 Recombinant Monoclonal Antibody

Product Code	CSB-RA005506MA1HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	O14493
Immunogen	Recombinant Human CLDN4 protein
Species Reactivity	Human
Tested Applications	ELISA
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	Affinity-chromatography
Isotype	hIgG1
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Signal transduction
Gene Names	CLDN4
Clone No.	8G7

Image



The Binding Activity of Human CLDN4 with Anti-CLDN4 Recombinant Antibody
Activity: Measured by its binding ability in a functional ELISA. Immobilized Human CLDN4(CSB-MP005506HU) at 5 µg/mL can bind Anti-CLDN4 recombinant antibody, the EC₅₀ is 29.56-50.75 ng/mL.

Description

CUSABIO meticulously generated the CLDN4 recombinant monoclonal antibody through a systematic approach. Initially, B cells were isolated from the spleen of an immunized animal, using the recombinant human CLDN4 protein as the immunogen during the immunization process. Following that, RNA was extracted from the B cells and reverse-transcribed into cDNA. By utilizing the cDNA as a template, the gene encoding the CLDN4 antibody was extended using a degenerate primer and inserted into a vector. The recombinant vector was then transfected into host cells, enabling the expression of the CLDN4 recombinant monoclonal antibodies. Subsequently, these antibodies were harvested from the cell culture supernatant and purified using affinity



chromatography. ELISA was performed to confirm this antibody's reactivity with human CLDN4 protein, ensuring its specificity, reliability, and suitability for various applications.