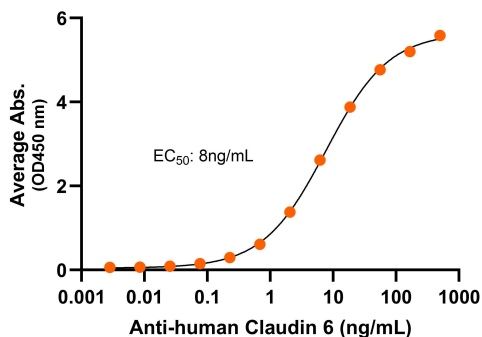


Bioactivity – Antibody Binding

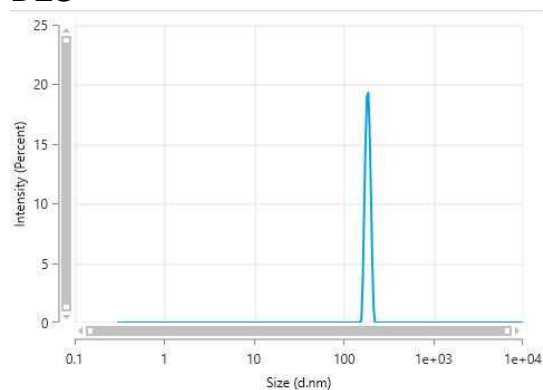
Human Claudin 6, ELISA

0.5µg of Claudin 6 per well



Immobilized human Claudin 6 VLP (Cat. No. CMP-24007) at 5 µg/mL (100 µL/well) can bind monoclonal anti-human Claudin 6 antibody with half maximal effective concentration (EC50) range of 6.6 - 26.3 ng/mL (QC tested).

DLS



The mean peak diameter (nm) of the CMP is 177.6 with a range of 162.9-196.6 with more than 95% intensity as determined by dynamic light scattering (DLS).



Human Claudin 6 Full Length Protein, Displayed on Nanoparticles

Product Code: CMP-24007
For Research Use Only (RUO)

Expression Host
HEK293T

Alternate Name(s)
Claudin-6, CLDN6

Protein Construct
Claudin 6 contains 220 amino acids (Met1 - Val 220; UniProt# P56747), and is displayed on nanoparticles that mimics the native protein conformation on the cell surface. Expressed in HEK293T cell line.

Shipping Conditions
Frozen Dry Ice

Protein Name
Human Claudin 6

Amino Acid Range
Met1 - Val 220

Formulation
0.2µm filtered PBS, pH 7.4

Stability & Storage
-80°C

Background

Claudin 6, also known as Claudin-6 and CLDN6, is an integral membrane protein with 4 transmembrane domains, two extracellular loops, one intracellular loop, and both N-terminus and C-terminus ends towards the cytosol. Human Claudin 6 is a member of the Claudin protein family and is involved in tight junctions and cell-to-cell adhesion. It is highly and widely expressed on various tumor cells, and plays a critical role in cancer initiation and progression, and is a promising target for cancer therapeutics.