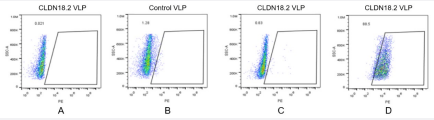
VLP/Nanodisc | Full-Length | HuPro®

CLDN18 (Human) Recombinant Protein

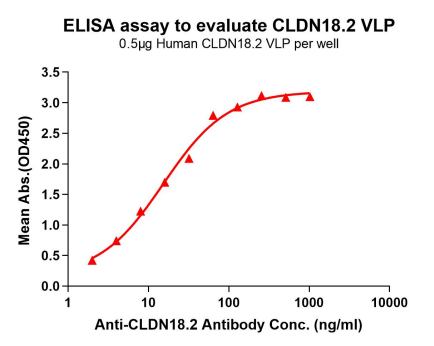
Catalog # P10751 Size 100 ug

Applications



Flow Cytometry

FACS analysis of CLDN18 VLP
A. Negative Control 1: CLDN18 VLP were stained only with Goat anti-human IgG Fc-PE secondary antibody.
B. Negative Control 2: Control VLP were stained with anti-CLDN18 antibody at 1 ug/mL, followed by Goat anti-human IgG Fc-PE secondary antibody.
C. Negative Control 3: CLDN18 VLP were stained with anti-BCMA antibody（an irrelevant antibody）at 1 ug/mL, followed by Goat anti-human IgG Fc-PE secondary antibody.
D. CLDN18 VLP were stained with anti-CLDN18 antibody at 1ug/mL, followed by Goat anti-human IgG Fc-PE secondary antibody.



Enzyme-linked Immunoabsorbent Assay

ELISA plates were pre-coated with 0.5 ug/per well purified human CLDN18 VLP. Serial diluted Anti-CLDN18 monoclonal antibody solutions were added, washed, and incubated with secondary antibody before ELISA reading. From above data, the EC_{50} for Anti-CLDN18 monoclonal antibody binding with CLDN18 VLP is 15.37 ng/mL.

Specification

Product Description	Human CLDN18 (P56856-2, 1 a.a. - 261 a.a.) full-length recombinant protein-VLP.
Sequence	MSTTTCQVVAFLLSILGLAGCIAATGMDMWSTQDLYDNPVTSVFQYEGLWRSCVRQSSGFTECR PYFTILGLPAMLQAVRALMIVGIVLGAIGLLVSIFALKCIRIGSMEDSAKANMTLTSGIMFIVSGLCAIAG VSVFANMLVTNFWMSTANMYTGMGGMVQTVQTRYTFGAALFVGWVAGGLTLIGGVMMCIACRGL APEETNYKAVSYHASGHSVAYKPGGFKASTGFGSNTKNKKIYDGGARTEDEVQSYPSKHDYV

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Host	Human
Theoretical MW (kDa)	29
Reactivity	Human
Form	Lyophilized
Conjugation	Unconjugated
Preparation Method	Mammalian cell (HEK293) expression system
Recommend Usage	ELISA SDS-PAGE CytoFlow
Storage Buffer	Lyophilized from PBS, pH 7.4 (5% trehalose).
Storage Instruction	Store at -20°C to -80°C for 12 months. Aliquot to avoid repeated freezing and thawing.

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Gene Info — CLDN18

Entrez GeneID	51208
Protein Accession#	P56856
Gene Name	CLDN18

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Gene Alias	SFTA5, SFTPJ
Gene Description	claudin 18
Omim ID	609210
Gene Ontology	Hyperlink
Gene Summary	CLDN18 belongs to the large claudin family of proteins, which form tight junction strands in epithelial cells (Niimi et al., 2001 [PubMed 11585919]).[supplied by OMIM
Other Designations	surfactant associated 5|surfactant associated protein J|surfactant, pulmonary associated protein J

Pathway

- Cell adhesion molecules (CAMs)
- Leukocyte transendothelial migration
- Tight junction

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