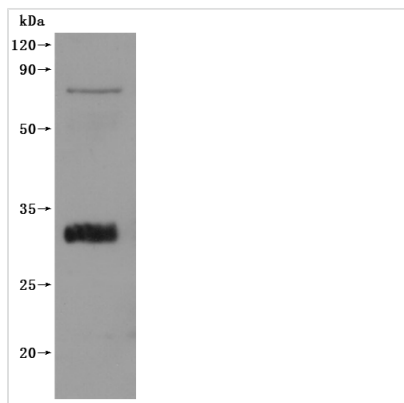


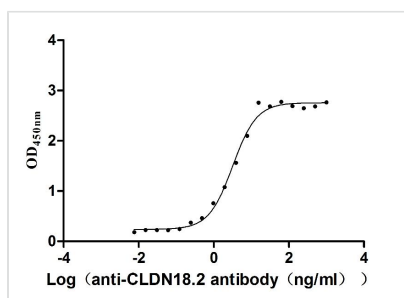


Recombinant *Macaca fascicularis* Claudin 18.2 (CLDN18.2)-VLPs (Active)

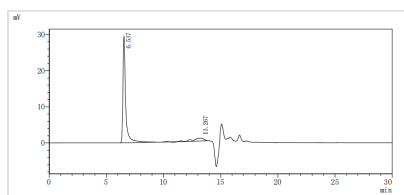
Product Code	CSB-MP4304MOV
Abbreviation	Recombinant <i>Cynomolgus</i> monkey CLDN18.2 protein-VLPs (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	A0A2K5VV62
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm filtered PBS, 6% Trehalose, pH 7.4
Product Type	Recombinant Protein
Immunogen Species	<i>Macaca fascicularis</i> (Crab-eating macaque) (<i>Cynomolgus</i> monkey)
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized <i>Macaca fascicularis</i> CLDN18 at 5 µg/ml can bind Anti-CLDN18.2 recombinant Antibody (CSB-RA005498A1HU), the EC ₅₀ is 2.806-3.641 ng/ml.
Purity	Greater than 90% as determined by SEC-HPLC.
Sequence	MAVTACQQLGFVVSLLIGIAGIIAATCMDQWSTQDLYNNPVTAVFNYQGLWRSC VRESSGFTECRGYFTLLGLPAMLQAVRALMIVGIVLGAIGLLVSIFALKCIRIGSM EDSAKANMTLTSGIMFIVSGLCAIAGVSVFANMLVTNFWMSTANMYTGMGGM VQTVQTRYTFGAALFVGWVAGGLTLIGGVMMCIACRGLAPEETNYKAVSYHA SGHSVAYKPGGFKASTGFGSNTKNKKTVDGGAHTEDELQSYPSKHDYV
Source	Mammalian cell
Target Names	CLDN18.2
Expression Region	1-261aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged (This tag can be tested only under denaturing conditions)
Mol. Weight	28.7 kDa
Protein Length	Full Length
Image	



CSB-MP4304MOV is detected by Mouse anti-6*His monoclonal antibody.



Activity
 Measured by its binding ability in a functional ELISA. Immobilized *Macaca fascicularis* CLDN18 at 5 $\mu\text{g/ml}$ can bind Anti-CLDN18.2 recombinant Antibody (CSB-RA005498A1HU), the EC_{50} is 2.806-3.641 ng/ml.



The purity of VLPs was greater than 90% as determined by SEC-HPLC

Endotoxin

Less than 1.0 EU/ug as determined by LAL method.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. The shelf life of lyophilized form is 12 months at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$.