

**CLDN18.2**  
**Catalog # PVGS1623****Specification**

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**CLDN18.2 - Product Information**

Primary Accession [P56856-2](#)  
**Species**  
Human

**Sequence**  
Full length

**Purity**  
> 80% as analyzed by SDS-PAGE

**Biological Activity**  
Immobilized CLDN18.2, His, Human (Cat. No.: Z03504) at 1.0 µg/mL (100 µl/well). Dose response curve for anti-Claudin 18.2 Antibody with the EC<sub>50</sub> of 13.75ng/mL determined by ELISA.

**Expression System**  
Insect Cells

**Theoretical Molecular Weight**  
27.7 kDa

Formulation **Supplied as a solution in 50 mM Hepes, 500 mM NaCl, 10% glycerol, 0.2% DDM, 0.04% CHS, pH 7.5.**

**Storage & Stability**  
Upon receiving, this product remains stable for up to 6 months at -80°C. Please avoid repeated freeze-thaw cycles.

**CLDN18.2 - Additional Information**

**Target Background**  
Claudin-18 is a protein that in humans is encoded by the CLDN18 gene. CLDN18 belongs to the large claudin family of proteins, which form tight junction strands in epithelial cells. The Expression of Isoform A2 (CLDN18.2) is restricted to the stomach mucosa where it is predominantly observed in the epithelial cells of the pit region and the base of the gastric glands including exocrine and endocrine cells (at protein level). CLDN18.2 is founded to be abundant in gastric tumors, Experimental antibody IMAB362 targets Claudin 18.2 to help treat gastric cancers.

**CLDN18.2 - Protein Information**

**CLDN18.2 - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**CLDN18.2 - Images**