

# Product Information

## MemDX™ Dog CLDN18 HEK293T Cell Line

Cat. No.: **S01YF-0123-KX31**

This product is for research use only and is not intended for diagnostic use.

### Product Information

#### Target Protein

CLDN18

#### Target Protein Species

Dog

#### Accession Number

XM\_038432440.1

#### Protein Tag

Tag-free

#### Host Cell Type

HEK293T

#### Target Classification

Others

#### Target Family

Others

#### Target Research Area

Cancer Research

#### Related Diseases

Gastroesophageal Adenocarcinoma; Gastroesophageal Junction Adenocarcinoma

### Product Properties

#### Morphology

Epithelial

#### Assay Types

Drug screening and biological assays

#### Resistance

Puromycin

#### Mycoplasma Testing

Negative

### **Sterility Testing**

10 passages

### **Biosafety Level**

Level 1

### **Activity**

Yes

### **Quantity**

5x10<sup>6</sup> cells

### **Form**

Frozen cells

### **Freeze Medium**

70% DMEM + 20% FBS + 10% DMSO

### **Culture Medium**

DMEM + 10% FBS + 1µg/mL Puromycin

### **Selective Antibiotic(s)**

Regular antibiotics active against mycoplasmas, bacteria and fungi.

### **Handling Notes**

Frozen cells should be thawed immediately upon receipt and grown according to handling procedure to ensure cell viability and proper assay performance.

Note: Do not freeze the cells upon receipt as it may result in irreversible damage to the cell line.

Disclaimer: We cannot guarantee cell viability if the cells are not thawed immediately upon receipt and grown according to handling procedure.

### **Incubation**

37°C with 5% CO<sub>2</sub>

### **Applications**

Drug screening and biological assays

### **Application Notes**

Cells were plated in a 384-well plate and incubated overnight at 37°C and 5% CO<sub>2</sub> to allow the cells to attach and grow. Cells were then stimulated with a control for high-throughput drugs screening and functional assays.

### **Use Restrictions**

These cells are distributed for research use only.

### **Shipping**

Dry ice

### **Storage**

Liquid nitrogen

## **Target**

### **Full Name**

Claudin 18

**Alternative Names**

claudin-18

**Gene ID**

[477079](#)

**UniProt ID**

[A0A8C0N3B4](#)