

Claudin18.2/NCI-N87

CBP74148

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I. Background

Claudins (CLDNs) are a family of proteins that form tight junctions and maintain the polarity of epithelial and endothelial cells. CLDN18 is specifically expressed in the stomach and lung. Of the two CLDN18 isoform transcripts produced by alternative splicing, CLDN18.2 is a highly selective gastric lineage marker that determines the gastric phenotype in a neoplastic condition, whereas CLDN18.1 is lung specific. CLDN18.2 is a highly selective gastric lineage antigen expressed exclusively on short-lived differentiated gastric epithelial cells where it has only limited accessibility to antibody drugs.^{14,15} CLDN18.2 is maintained during the course of malignant transformation and thus frequently displayed on the surface of human gastric cancer cells.

II. Introduction

Host Cell: NCI-N87

Expressed gene: Claudin18.2

Stability: 32 passages (in-house test, that not means the cell line will be instable beyond the passages we tested.)



Freeze Medium: 90% FBS+10% DMSO

Culture Medium: RPMI-1640+10%FBS+2ug/ml puromycin

Mycoplasma Testing: Negative

Storage: Liquid nitrogen

Application(s): Binding Assay,FACS

III. Description of Host Cell Line

Organism: Homo sapiens, human





Tissue: Stomach; derived from metastatic site: liver

Disease: Gastric carcinoma

Morphology: Epithelial

Growth Properties: Adherent

IV. Representative Data

	Population Name	Mean , FL4-A	Catalog Id
	N87-CLND18.2-低	4.48E4	CBP74148-L
	N87-CLND18.2-中	1.12E5	CBP74148-M
	N87-CLND18.2-高	3.53E5	CBP74148-H
	N87	5446	

