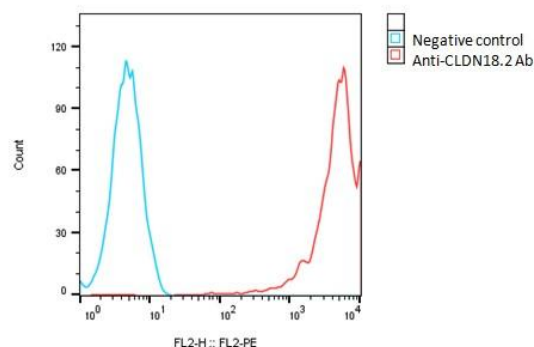


SPECIFICATIONS

Catalog Number	C3012
Cell Line Name	Mouse CLDN18.2-CHO-K1 stable cell line
Accession Number	NP.001181850.1
Host Cell	Adherent CHO-K1
Quantity	Two vials of frozen cells (1x10 ⁶ per vial)
Culture Medium	DMEM with 10% FBS, 4µg/ml puromycin
Freezing Medium	90% FBS and 10% DMSO
Storage	Liquid nitrogen

DATA

Detection of mouse CLDN18.2 expression on mouse CLDN18.2-CHO-K1 cells using a monoclonal antibody specific for CLDN18.2 (Cat. #A1008)



BACKGROUND

Claudin-18 (CLDN18) is a member of a large family of four-span transmembrane proteins called Claudins. These proteins are the essential components of the mammalian tight junctions (TJs) in epithelial cells. Claudin-18 has two splice variants, 18.1 and 18.2. While CLDN18.1 is specifically expressed in the lung tissue, CLDN18.2 expression in normal tissue is more restricted and is only detected in small patches of stomach mucosal. CLDN18.2 expression is elevated in many types of epithelial cancers including stomach, esophagus, pancreatic and ovarian cancers. The expression of CLDN18.2 is not only detected in primary tumors, but also in the metastatic sites. Therefore, CLDN18.2 is an ideal target for monoclonal antibody-based cancer therapies.

References

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