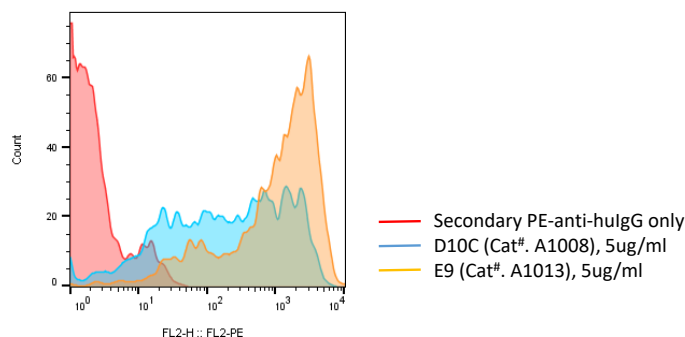


SPECIFICATIONS

Catalog Number	C3016
Cell Line Name	Human CLDN18.2-KATOIII stable cell line
Accession Number	NP_001002026.1
Host Cell	KATO III (Semi-adherent)
Quantity	Two vials of frozen cells (1x10 ⁶ per vial)
Culture Medium	DMEM with 10% FBS, 0.125 µg/ml puromycin
Freezing Medium	90% FBS and 10% DMSO
Storage	Liquid nitrogen

DATA

Detection of human CLDN18.2 expression on human CLDN18.2-KATO III cells (Cat. #C3016) using recombinant anti-huCLDN18.2 mAbs D10C (Cat. #A1008) and E9 (Cat. #A1013), followed by staining with a secondary PE-anti-human IgG antibody


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.

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