Anti-human CLDN18.2 mIgG2b

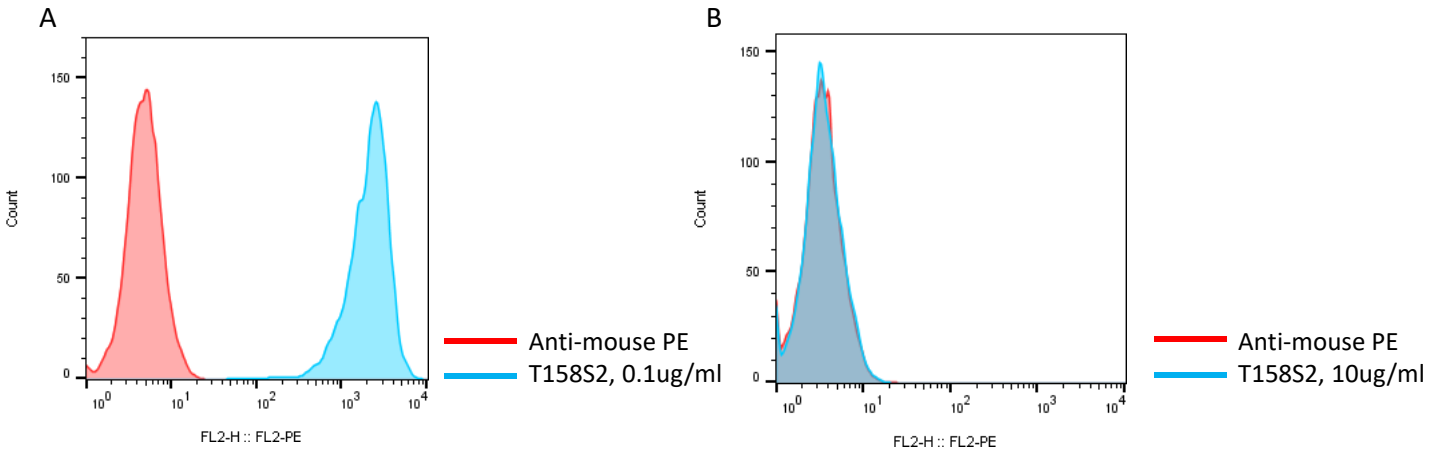
Catalog Number: A1031

SPECIFICATIONS

Catalog Number	A1031
Product Name	Anti-human CLDN18.2
Source	Purified mouse antibody from hybridoma
Clone Number	T158S2
Species Reactivity	Human
Isotype	Mouse IgG2b
Formulation	1xPBS,pH6.9. Sterile
Stability & Storage	1 month at 4°C; 12 months at <-20°C; Avoid repeated freeze-thaw
Purity	>95%
Protein Aggregation	Not obvious on SDS-PAGE
Application	Flow cytometry, ELISA, cell-based assay

DATA

A) Detection of human CLDN18.2 expression on human CLDN18.2-CHO-K1 stable cell line (Cat. #C3011) using the anti-human CLDN18.2 mIgG2b(Cat. #A1031). B) FACS staining of control vector transfected CHO-K1 cells with the anti-human CLDN18.2 mIgG2b(Cat. #A1031).



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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