

PRODUCT INFORMATION

Clone ID	DMC485
Target	CDH17
Synonyms	CDH16; HPT-1; HPT1
Host Species	Rabbit
Description	Anti-CDH17 antibody(DMC485); IgG1 Chimeric mAb
Delivery	In Stock
Uniprot ID	Q12864
IgG type	Rabbit/Human Fc chimeric IgG1
Clonality	Monoclonal
Reactivity	Human
Applications	Flow Cyt
Recommended Dilutions	Flow Cyt 1:100
Purification	Purified from cell culture supernatant by affinity chromatography
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage & Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This gene is a member of the cadherin superfamily; genes encoding calcium-dependent; membrane-associated glycoproteins. The encoded protein is cadherin-like; consisting of an extracellular region; containing 7 cadherin domains; and a transmembrane region but lacking the conserved cytoplasmic domain. The protein is a component of the gastrointestinal tract and pancreatic ducts; acting as an intestinal proton-dependent peptide transporter in the first step in oral absorption of many medically important peptide-based drugs. The protein may also play a role in the morphological organization of liver and intestine. Alternative splicing results in multiple transcript variants. [provided by RefSeq; Jan 2009]
Usage	Research use only



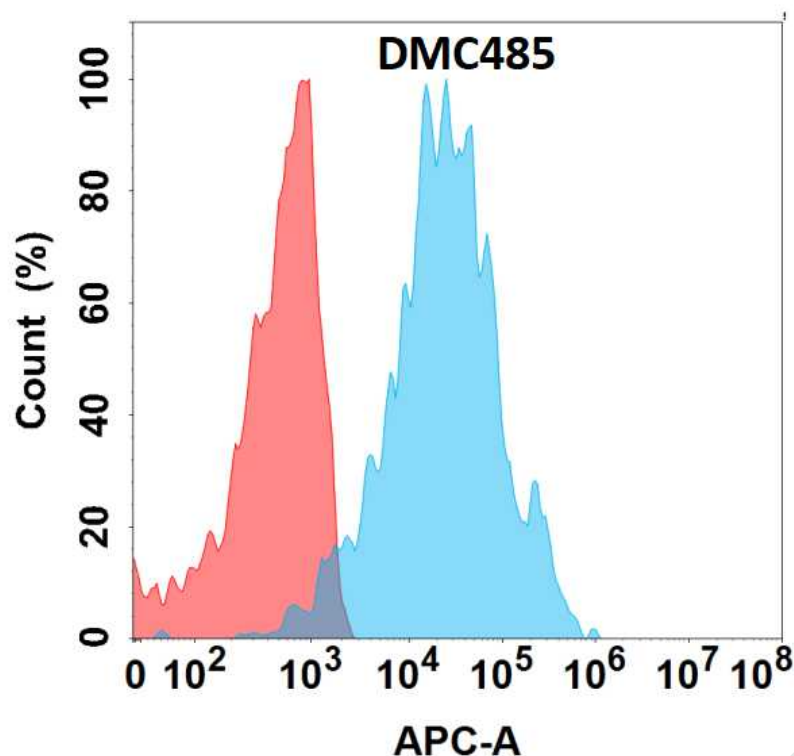


Figure 1. Flow cytometry analysis with Anti-CDH17 (DMC485) on Expi293 cells transfected with human CDH17 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

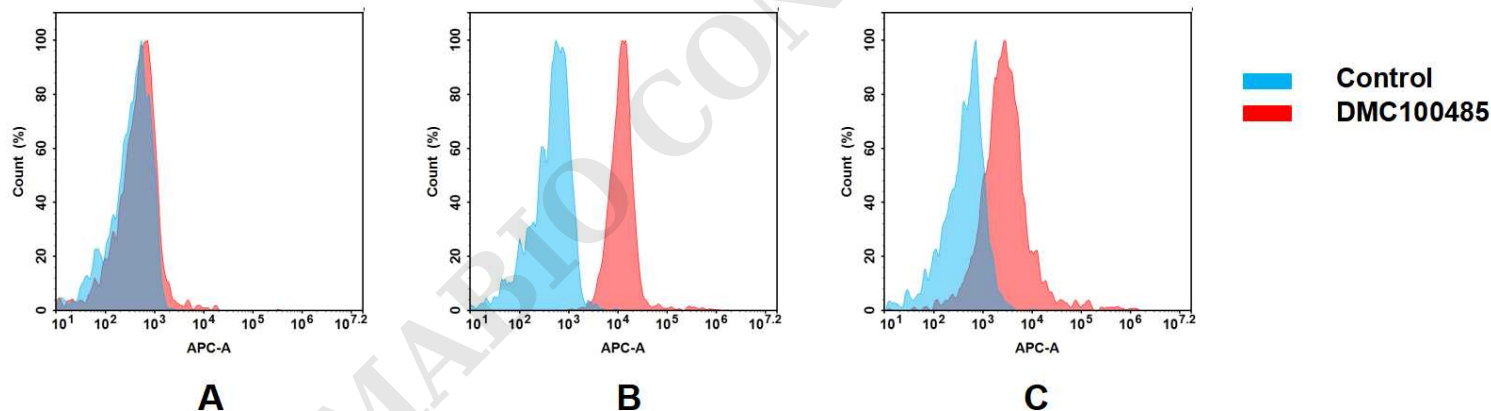


Figure 2. Flow cytometry analysis of antigen binding of anti-human CDH17 mAb(DMC100485).

(A) DMC100485 does not bind to 293T cells that do not express CDH17.

(B) A clear peak shift of DMC100485 was seen compared to the control when incubated with CDH17-expressing HT55 cells, indicating strong binding of DMC100485 to CDH17. Antibodies were incubated at 2  $\mu$ g/mL.

(C) A clear peak shift of DMC100485 was seen compared to the control when incubated with CDH17-expressing AGS cells, indicating strong binding of DMC100485 to CDH17. Antibodies were incubated at 2  $\mu$ g/mL.

