Cat. No. DMC100484



PRODUCT INFORMATION

Clone ID **DMC484 Target** CDH₁

Synonyms Arc-1; BCDS1; CD324; CDHE; ECAD; LCAM; UVO

Host Species Rabbit

Anti-CDH1 antibody(DMC484); IgG1 Chimeric Description mAb

Delivery In Stock **Uniprot ID** P12830

Rabbit/Human Fc chimeric IgG1 IgG type

Clonality Monoclonal Reactivity Human **Applications** Flow Cyt

Recommended

Storage & Shipping

Background

Flow Cyt 1:100 **Dilutions**

Purified from cell culture supernatant by affinity **Purification**

chromatography

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Reconstitution

for specific instructions of reconstitution. 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

témperature.

This gene encodes a classical cadherin of the cadherin superfamily. Alternative splicing results in multiple transcript variants; at least one of which encodes a preproprotein that is

proteolytically processed to generate the mature glycoprotein. This calcium-dependent cell-cell adhesion protein is comprised of five extracellular cadherin repeats; a transmembrane region and a highly conserved cytoplasmic tail. Mutations in this gene are correlated with gastric; breast; colorectal; thyroid and ovarian cancer. Loss of function of this gene is thought to contribute to cancer progression by increasing proliferation;

invasion; and:or metastasis. The ectodomain of this protein mediates bacterial adhesion to mammalian cells and the cytoplasmic domain is required for internalization. This gene is present in a gene cluster with other members of the cadherin family on chromosome 16. [provided by

RefSeg; Nov 2015]

Usage Research use only Conjugate Unconjugated

> All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under

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patent application. Any protein sequencing or reverse engineering attempt is prohibited. We are **DIMA Disclaimer** actively scrutinizing all patent application to

ensure no IP infringement.

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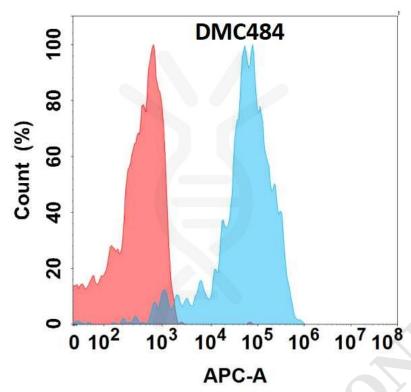


Figure 1. Flow cytometry analysis with Anti-CDH1 (DMC484) on HEK293 cells transfected with human CDH1 (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

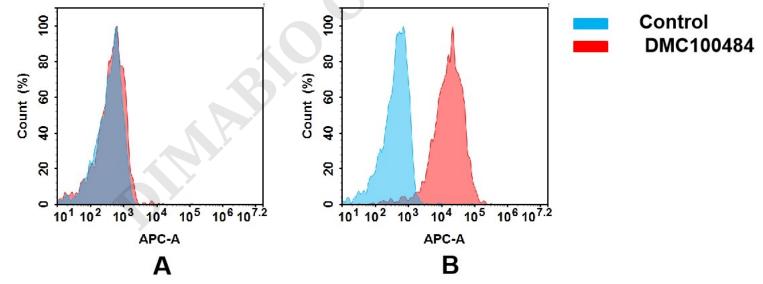


Figure 2. Flow cytometry analysis of antigen binding of anti-human CDH1 mAb(DMC100484). (A) DMC100484 does not bind to CHO-S cells that do not express CDH1. (B) A clear peak shift of DMC100484 was seen compared to the control when incubated with CDH1-expressing A431 cells, indicating strong binding of DMC100484 to CDH1. Antibodies were incubated at 5 μ g/mL.



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