

PRODUCT INFORMATION

CDH1 **Target**

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

Recombinant Human CDH1 with C-terminal Description

human Fc tag

Delivery In Stock **Uniprot ID** P12830 **Expression Host HEK293**

Tag C-Human Fc Tag

Molecular

Storage & Shipping

Background

CDH1(Gln23-Gln706) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight**

101.6 kDa after removal of the signal peptide. The apparent molecular mass of CDH1-hFc is approximately 100-130 kDa due to glycosylation. The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & Reconstitution

- 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis 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

temperature.

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

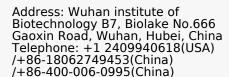
proteolytically processed to generate the mature glycoprotein. This calcium-dependent cell-cell adhesion protein is comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Mutations in this gene are correlated with gastric, breast,

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 RefSeq, Nov 2015]

Usage Research use only Conjugate Unconjugated

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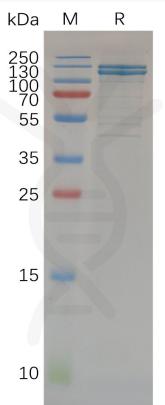


Figure 1. Human CDH1 Protein, hFc Tag on SDS-PAGE under reducing condition.

Human CDH1,hFc Tagged protein ELISA

0.2 µg of Human CDH1, hFc tagged protein per well

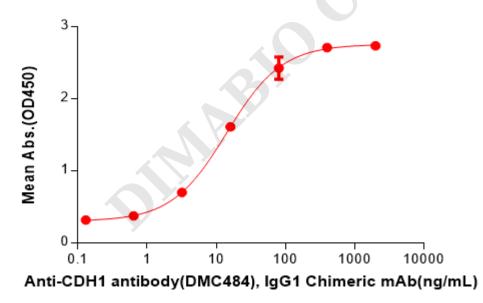


Figure 2. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human CDH1 Protein, hFc Tag(PME100674) can bind Anti-CDH1 antibody(DMC484), IgG1 Chimeric mAb in a linear range of 0.64–16 ng/mL.

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