

PRODUCT INFORMATION

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| Target | CDH17 |
| Synonyms | HPT-1; HPT1 |
| Description | Recombinant human CDH17(245-340) Protein with C-terminal human Fc tag |
| Delivery | In Stock |
| Uniprot ID | Q12864 |
| Expression Host | HEK293 |
| Tag | C-Human Fc tag |
| Molecular Characterization | CDH17(Val245-Cys340) hFc(Glu99-Ala330) |
| Molecular Weight | The protein has a predicted molecular mass of 37.2 kDa after removal of the signal peptide. The apparent molecular mass of CDH17(245-340)-hFc is approximately 35-55 kDa due to glycosylation. |
| Purity | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| 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. |
| Sterility | Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use. |
| 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 |
| Conjugate | Unconjugated |



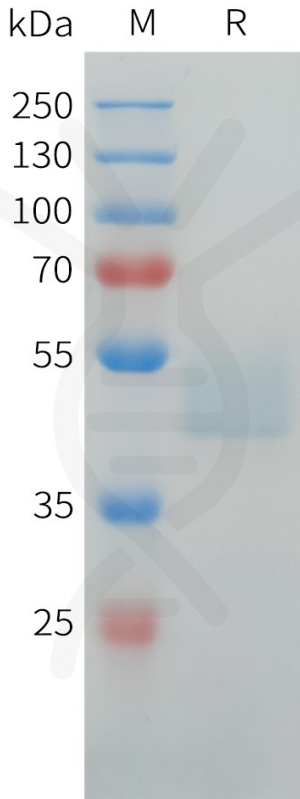


Figure 1. Human CDH17(245-340) Protein, hFc Tag on SDS-PAGE under reducing condition.

Human CDH17(245-340), hFc Tagged protein ELISA

0.2 μ g of Human CDH17(245-340), hFc tagged protein per well

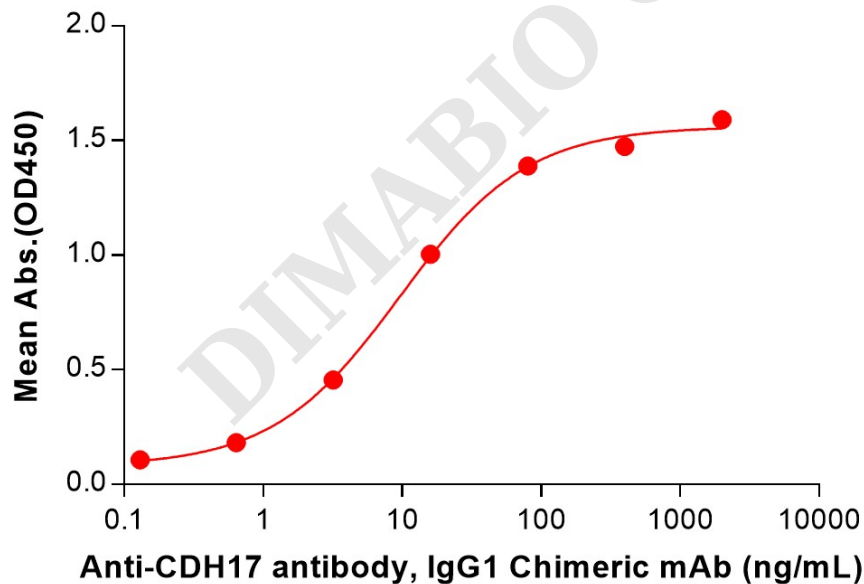


Figure 2. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human CDH17(245-340) Protein, hFc Tag (PME101564) can bind Anti-CDH17 antibody, IgG1 Chimeric mAb in a linear range of 0.64-80 ng/mL.

