

**PRODUCT INFORMATION**

<b>Target</b>	CDH6
<b>Synonyms</b>	CDH6;K-cadherin
<b>Description</b>	Recombinant human CDH6 protein with C-terminal 6×His tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P55285
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-6×His Tag
<b>Molecular Characterization</b>	CDH6(Thr19-Ala615) 6×His tag
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 67.2 kDa after removal of the signal peptide. The apparent molecular mass of CDH6-His is approximately 70-130 kDa due to glycosylation.
<b>Purity</b>	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	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.
<b>Storage&amp;Shipping</b>	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.
<b>Background</b>	This gene encodes a member of the cadherin superfamily. Cadherins are membrane glycoproteins that mediate homophilic cell-cell adhesion and play critical roles in cell differentiation and morphogenesis. The encoded protein is a type II cadherin and may play a role in kidney development as well as endometrium and placenta formation. Decreased expression of this gene may be associated with tumor growth and metastasis. [provided by RefSeq, May 2011]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



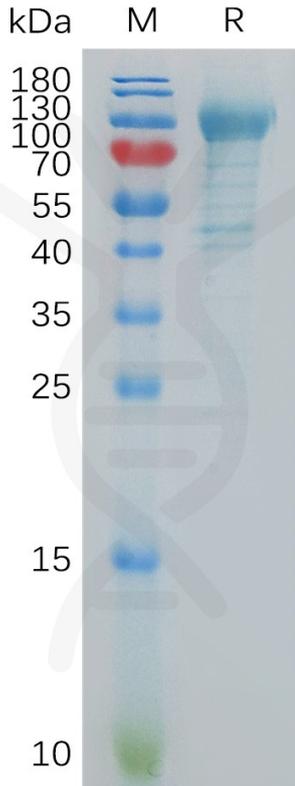


Figure 1. Human CDH6 Protein, His Tag on SDS-PAGE under reducing condition.

### Human CDH6, His Tagged protein ELISA

0.2  $\mu$ g of Human CDH6, His tagged protein per well

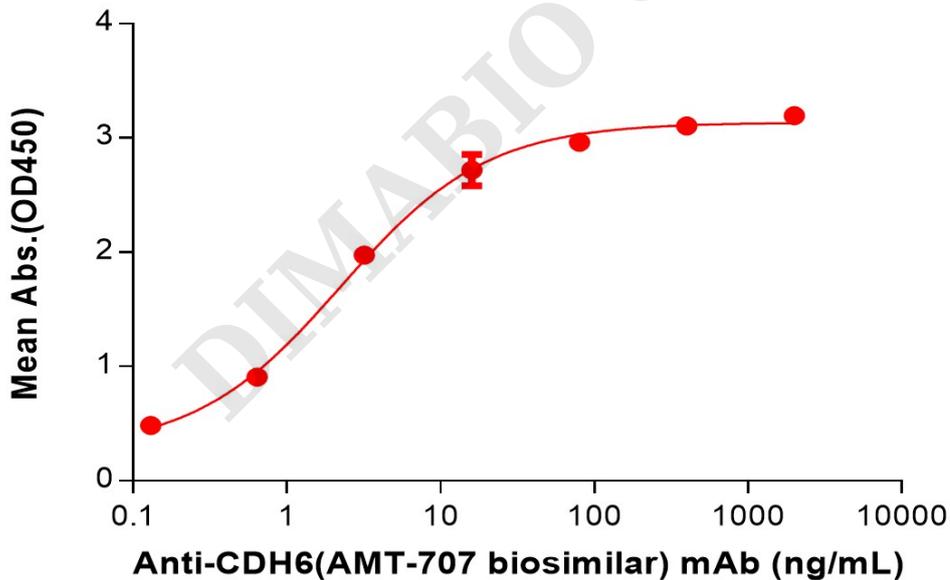


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human CDH6 Protein, His Tag (PME101111) can bind Anti-CDH6 (AMT-707 biosimilar) mAb (BME100234) in a linear range of 0.13-16 ng/mL.



## Human CDH6, His Tagged protein ELISA

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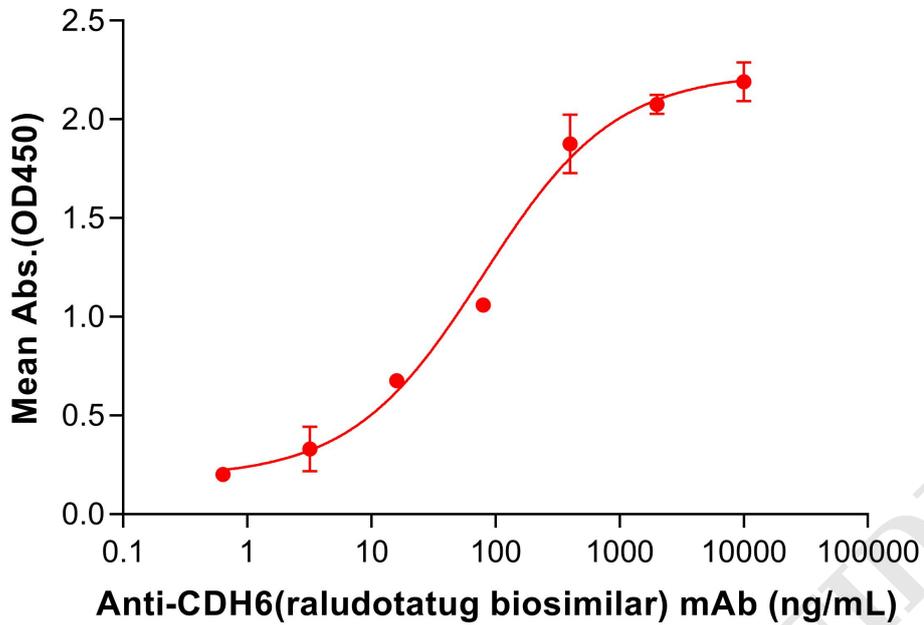


Figure 3. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human CDH6 Protein, His Tag (PME101111) can bind Anti-CDH6(raludotatug biosimilar) mAb (BME100232) in a linear range of 16–400 ng/mL.

