

## PRODUCT INFORMATION

<b>Target</b>	ADAM9
<b>Synonyms</b>	CORD9;MCMP;MDC9;Mltng
<b>Description</b>	Recombinant human ADAM9 Protein with C-terminal 6×His tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q13443
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-6×His Tag
<b>Molecular Characterization</b>	ADAM9(Ala29-Asp697) 6×His Tag
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 74.8 kDa after removal of the signal peptide.
<b>Purity</b>	The purity of the protein is greater than 95% 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 ADAM (a disintegrin and metalloprotease domain) family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. The protein encoded by this gene interacts with SH3 domain-containing proteins, binds mitotic arrest deficient 2 beta protein, and is also involved in TPA-induced ectodomain shedding of membrane-anchored heparin-binding EGF-like growth factor. Several alternatively spliced transcript variants have been identified for this gene. [provided by RefSeq, Jul 2010]
<b>Usage</b>	Research use only



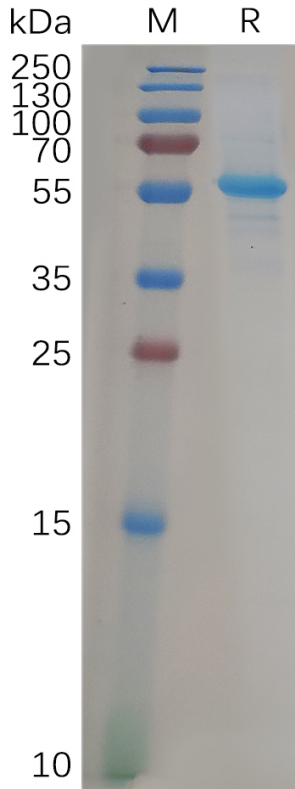


Figure 1. Human ADAM9 Protein, His Tag on SDS-PAGE under reducing (R) conditions.

### Human ADAM9, His tagged protein ELISA

0.1  $\mu\text{g}$  of Human ADAM9, His tagged protein per well

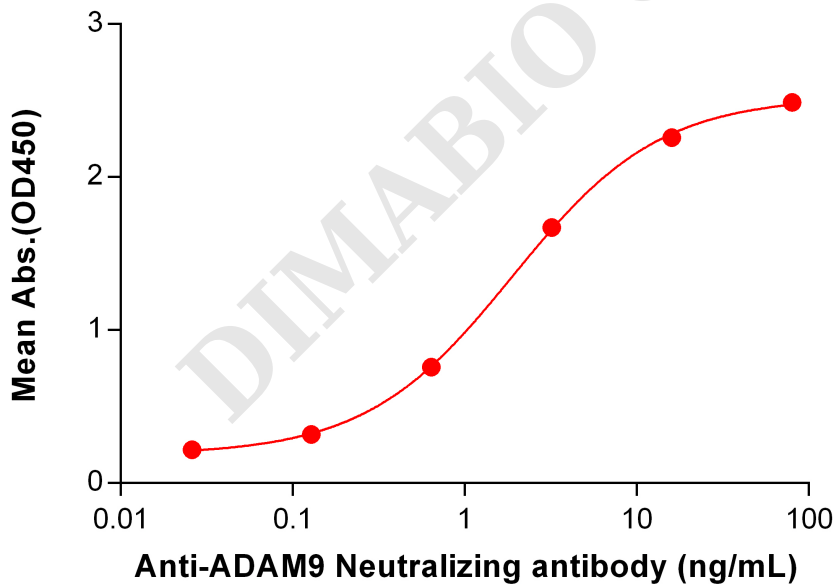


Figure 2. ELISA plate pre-coated by 1  $\mu\text{g}/\text{mL}$  (100  $\mu\text{L}/\text{well}$ ) Human ADAM9 protein, His Tag (PME100901) can bind Anti-ADAM9 Neutralizing antibody BME100064 in a linear range of 0.128-16 ng/mL.



### Human ADAM9, His Tagged protein ELISA

0.2  $\mu$ g of Human ADAM9, His tagged protein per well

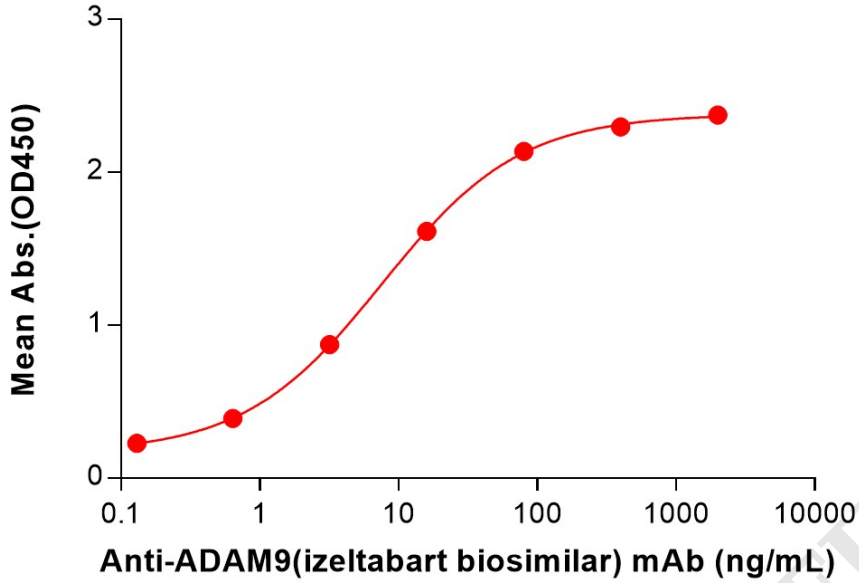


Figure 3. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human ADAM9 Protein, His Tag (PME100901) can bind Anti-ADAM9(izeltabart biosimilar) mAb (BME100230) in a linear range of 0.64-80 ng/mL.

