

**PRODUCT INFORMATION**

<b>Clone ID</b>	DM192
<b>Target</b>	ADAM9
<b>Synonyms</b>	CORD9; MCMP; MDC9; Mltng
<b>Host Species</b>	Rabbit
<b>Description</b>	Anti-ADAM9 antibody(DM192); Rabbit mAb
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q13443
<b>IgG type</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Reactivity</b>	Human
<b>Applications</b>	ELISA; Flow Cyt
<b>Recommended Dilutions</b>	ELISA 1:5000-10000; Flow Cyt 1:100
<b>Purification</b>	Purified from cell culture supernatant by affinity chromatography
<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.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



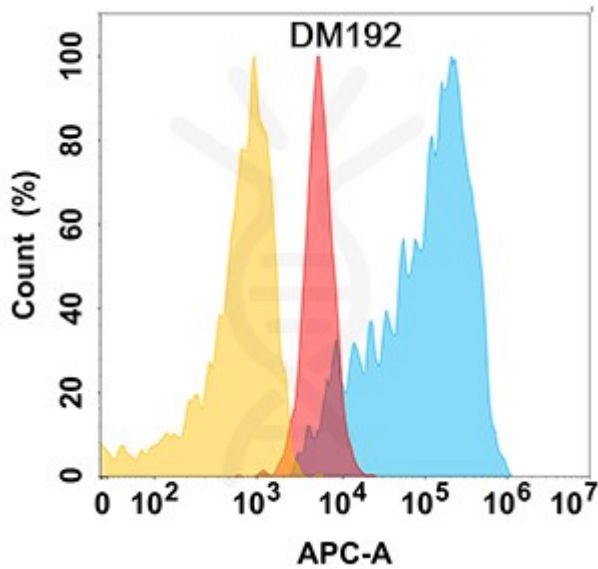


Figure 1. ADAM9 protein is highly expressed on the surface of Expi293 cell membrane. Flow cytometry analysis with Anti-ADAM9 (DM192) on Expi293 cells transfected with human ADAM9 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram), and Isotype antibody on Expi293 transfected with irrelevant protein (Orange histogram).

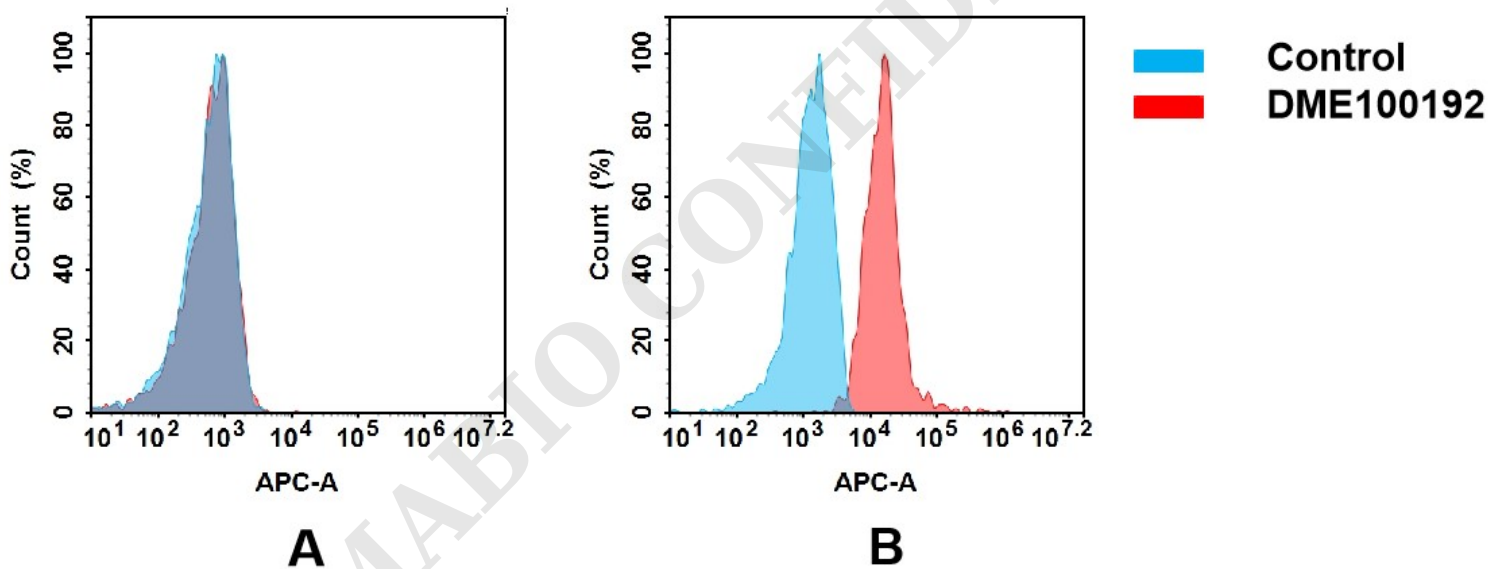


Figure 2. Flow cytometry analysis of antigen binding of rabbit anti-human ADAM9 mAb(DME100192).

(A) DME100192 does not bind to CHO-S cells that do not express ADAM9.

(B) A clear peak shift of DME100192 was seen compared to the control when incubated with ADAM9-expressing Hela cells, indicating strong binding of DME100192 to ADAM9. Antibodies were incubated at 5  $\mu$ g/mL.

