

**PRODUCT INFORMATION**

<b>Clone ID</b>	DM167
<b>Target</b>	EPHA2
<b>Synonyms</b>	ARCC2; CTPA; CTPP1; CTRCT6; ECK
<b>Host Species</b>	Rabbit
<b>Description</b>	Anti-EPHA2 antibody(DM167); Rabbit mAb
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P29317
<b>IgG type</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Reactivity</b>	Human
<b>Applications</b>	ELISA; Flow Cyt; WB
<b>Recommended Dilutions</b>	ELISA 1:5000-10000; Flow Cyt 1:100; WB 1:1000
<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 belongs to the ephrin receptor subfamily of the protein-tyrosine kinase subfamily. EPH and EPH-related receptors have been implicated in mediating developmental events; particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. This gene encodes a protein that binds ephrin-A ligands. Mutations in this gene are the cause of certain genetically-related cataract disorders.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



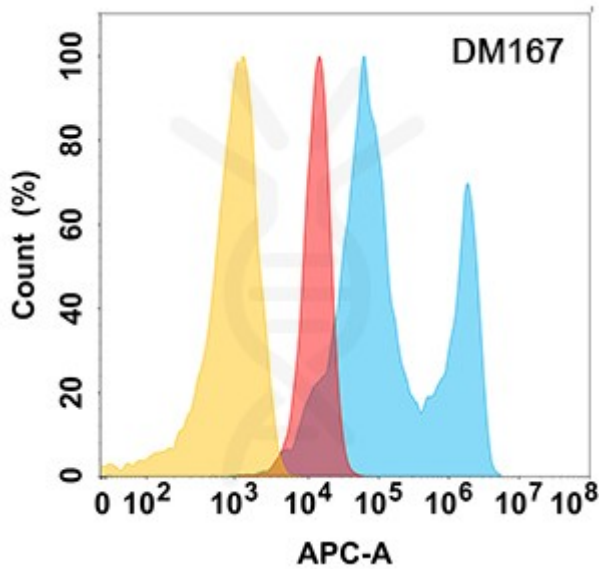


Figure 1. EPHA2 protein is highly expressed on the surface of Expi293 cell membrane. Flow cytometry analysis with Anti-EPHA2 (DM167) on Expi293 cells transfected with human EPHA2 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram), and Isotype antibody on Expi293 transfected with irrelevant protein (Orange histogram).

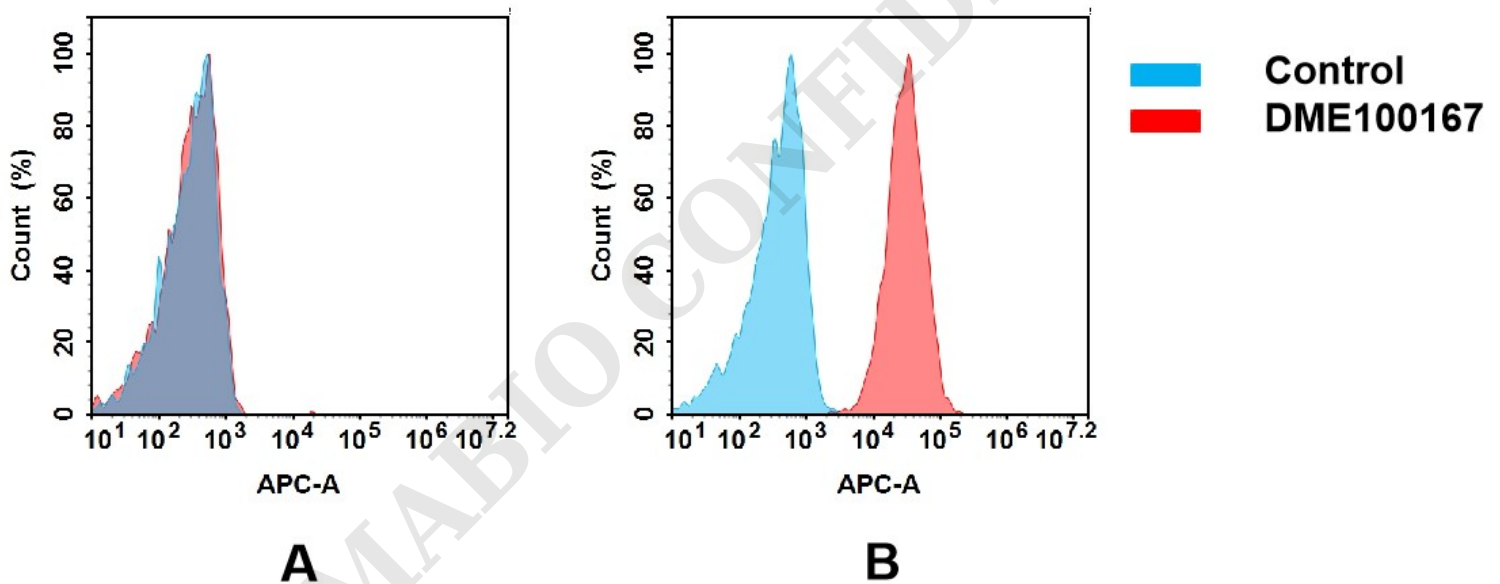


Figure 2. Flow cytometry analysis of antigen binding of rabbit anti-human EPHA2 mAb(DME100167).

(A) DME100167 does not bind to Jurkat cells that do not express EPHA2.

(B) A clear peak shift of DME100167 was seen compared to the control when incubated with EPHA2-expressing Hela cells, indicating strong binding of DME100167 to EPHA2. Antibodies were incubated at 5  $\mu$ g/mL.



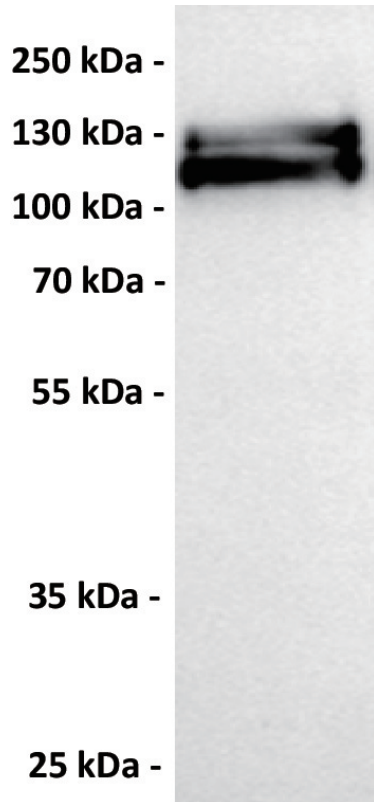


Figure 3. Anti-EPHA2 antibody (SKU# DME100167) at 1/1000 dilution

Lane : HeLa, whole cell lysate

Secondary : Goat Anti-Rabbit IgG H&L (HRP) at 1/5000 dilution

Predicted band size: 108 kDa

Observed band size: 110 kDa

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