PRODUCT INFORMATION

Clone ID	DMC472
Target	EPHA4
Synonyms	EK8; HEK8; SEK; TYRO1
Host Species	Rabbit
Description	Anti-EPHA4 antibody(DMC472); IgG1 Chimeric mAb
Delivery	In Stock
Uniprot ID	P54764
IgG type	Rabbit/Human Fc chimeric IgG1
Clonality	Monoclonal
Reactivity	Human
Applications	Flow Cyt
Recommended Dilutions	Flow Cyt 1:100
Purification	Purified from cell culture supernatant by affinity chromatography
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.
Background	This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. 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. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq; Jan 2015]
Usage	Research use only

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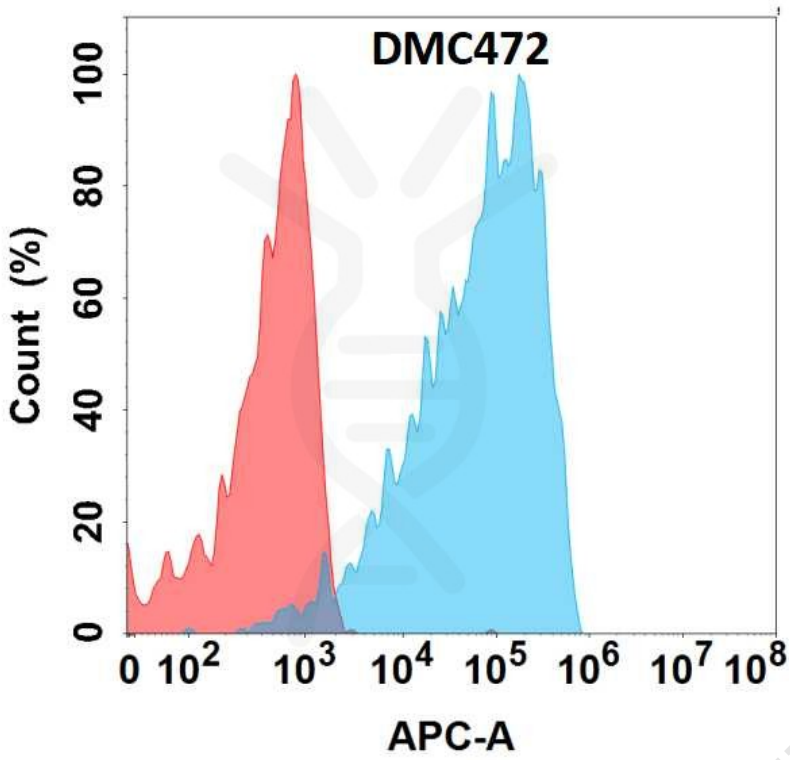

Figure 1. Flow cytometry analysis with Anti-EPHA4 (DMC472) on Expi293 cells transfected with human EPHA4 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

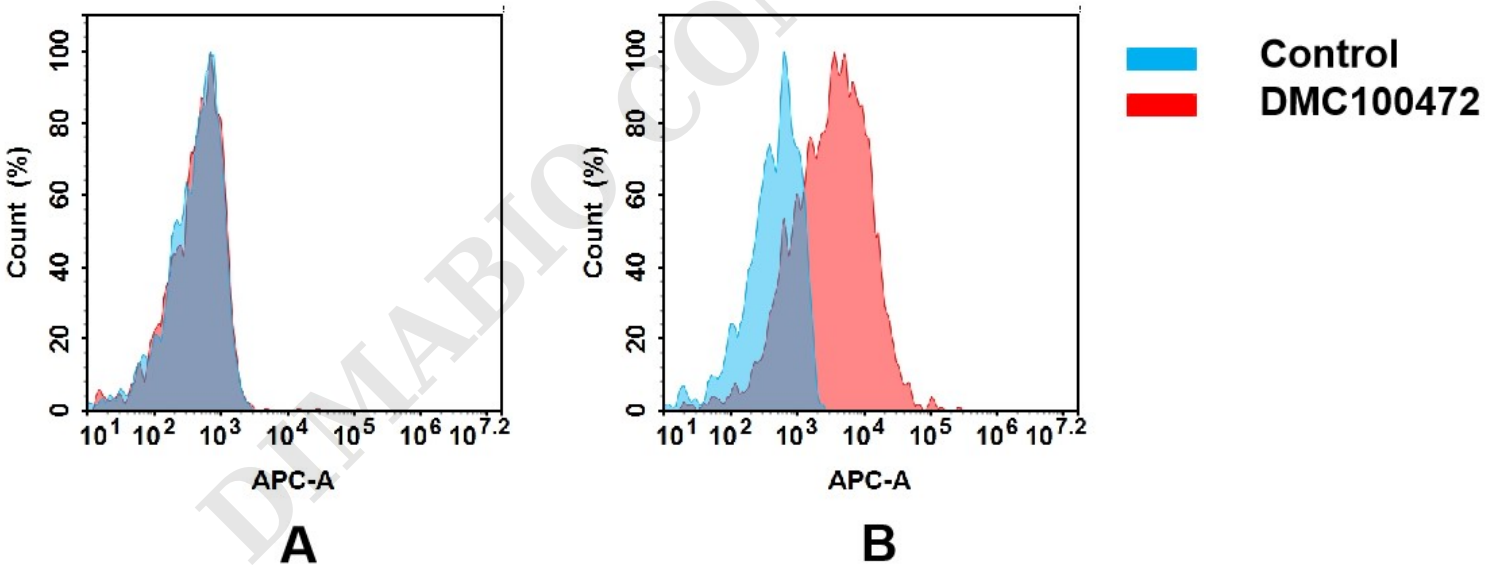

Figure 2. Flow cytometry analysis of antigen binding of anti-human EPHA4 mAb(DMC100472).
(A) DMC100472 does not bind to CHO-S cells that do not express EPHA4.
(B) A clear peak shift of DMC100472 was seen compared to the control when incubated with EPHA4-expressing MCF-7 cells, indicating strong binding of DMC100472 to EPHA4. Antibodies were incubated at 5 μg/mL.

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