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
Conjugate	Unconjugated
DIMA Disclaimer	All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under patent application. Any protein sequencing or reverse engineering attempt is prohibited. We are actively scrutinizing all patent application to ensure no IP infringement.

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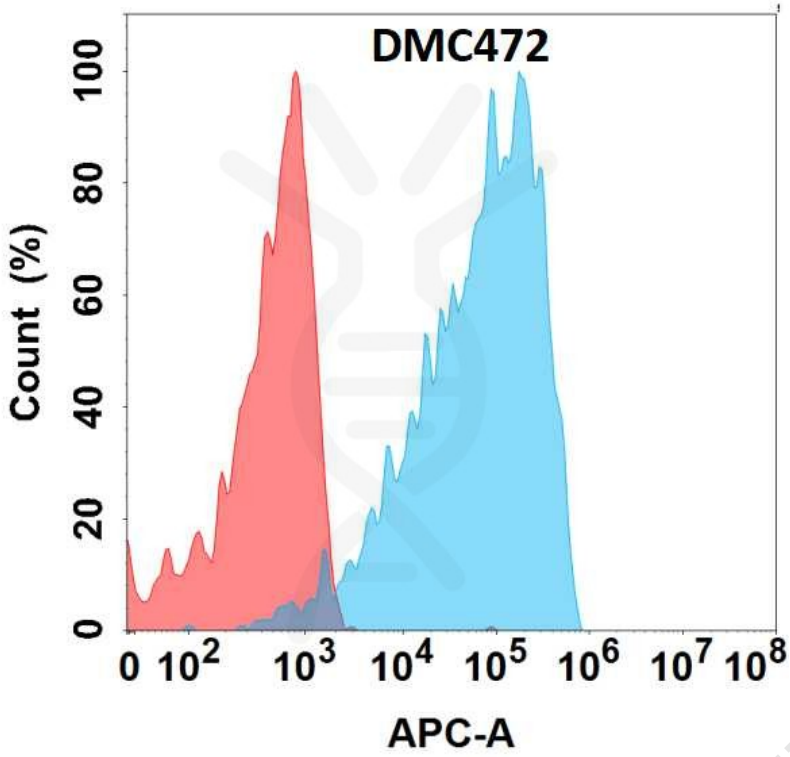

Figure 1. Flow cytometry analysis with Anti-EPHA4 (DMC472) on HEK293 cells transfected with human EPHA4 (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

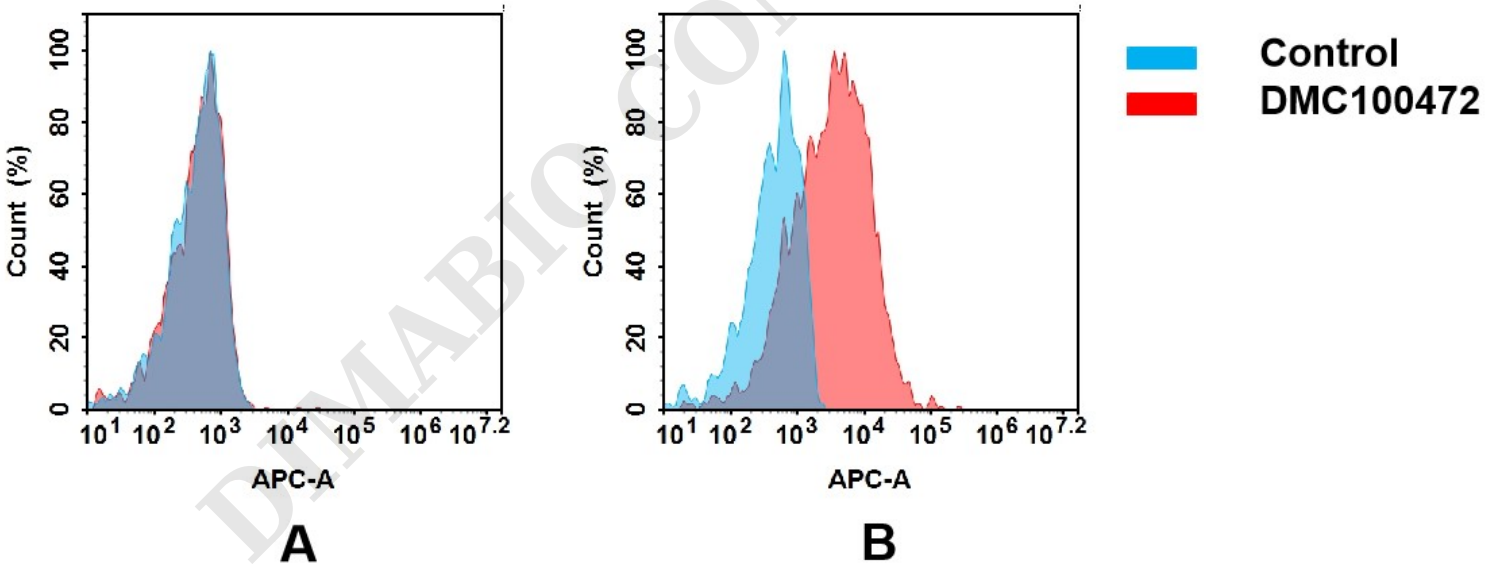

Figure 2. Flow cytometry analysis of antigen binding of anti-human EPHA4 mAb(DMC100472).
(A) DMC100472 does not bind to CHO-S cells that do not express EPHA4.
(B) A clear peak shift of DMC100472 was seen compared to the control when incubated with EPHA4-expressing MCF-7 cells, indicating strong binding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

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Saga, A., Li, G., Tanaka, T., Kaneko, M. K., Suzuki, H., & Kato, Y. (2025). Establishment of a Novel Anti-EphA4 Monoclonal Antibody, Ea4Mab-3, for Versatile Applications. Preprints. https://doi.org/10.20944/preprints202506.1511.v1 **(Full-Text)**

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