PRODUCT INFORMATION

Clone ID	DMC480
Target	DDR1
Synonyms	CAK; EDDR1; NEP; NTRK4; PTK3A; RTK6; TRKE; MCK-10; HGK2; CD167a
Host Species	Rabbit
Description	Anti-DDR1 antibody(DMC480); IgG1 Chimeric mAb
Delivery	In Stock
Uniprot ID	Q08345
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	Receptor tyrosine kinases play a key role in the communication of cells with their microenvironment. These kinases are involved in the regulation of cell growth; differentiation and metabolism. The protein encoded by this gene belongs to a subfamily of tyrosine kinase receptors with homology to Dictyostelium discoideum protein discoidin I in their extracellular domain; and that are activated by various types of collagen. Expression of this protein is restricted to epithelial cells; particularly in the kidney; lung; gastrointestinal tract; and brain. In addition; it has been shown to be significantly overexpressed in several human tumors. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq; Feb 2011]
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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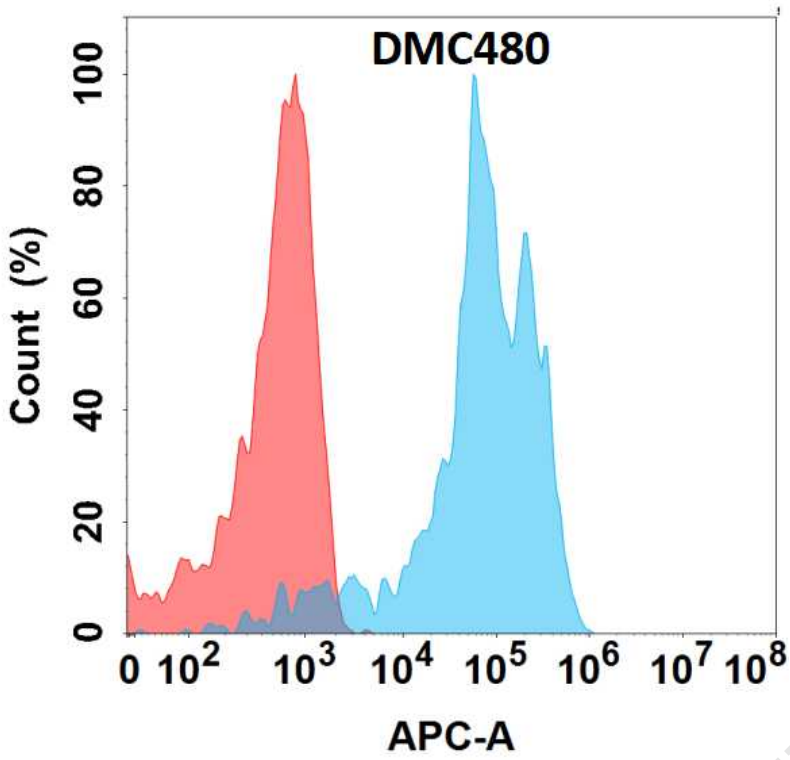

Figure 1. Flow cytometry analysis with Anti-DDR1 (DMC480) on Expi293 cells transfected with human DDR1 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

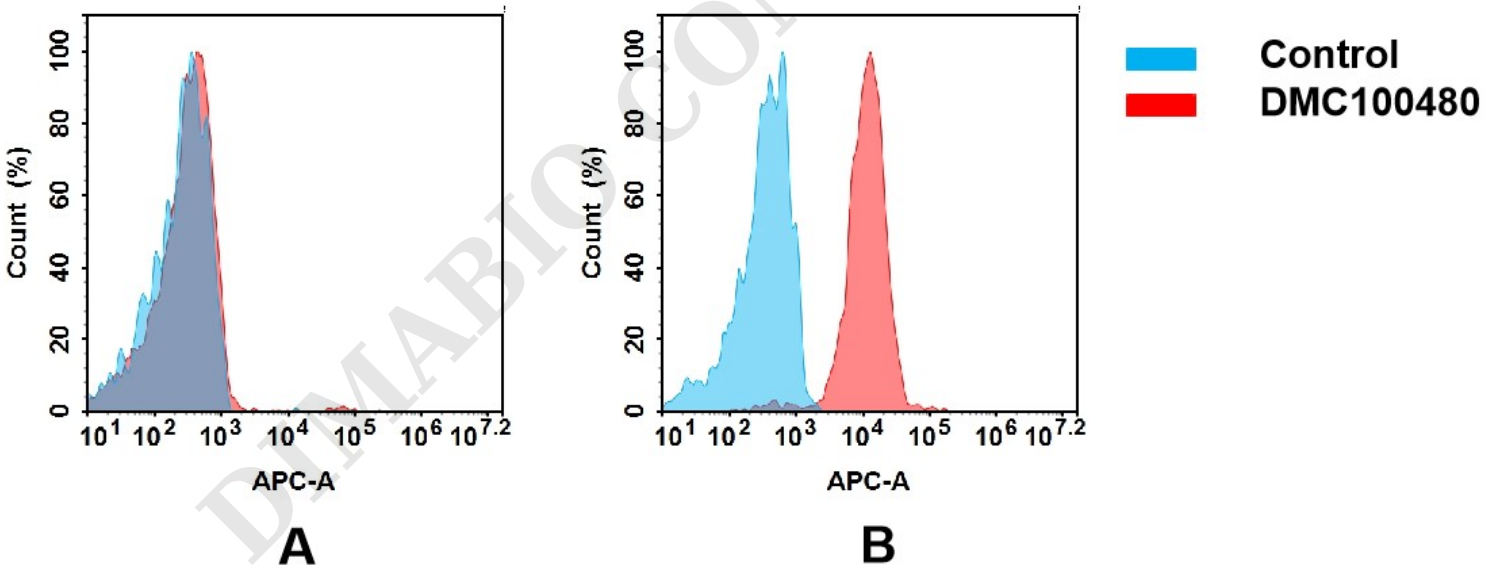

Figure 2. Flow cytometry analysis of antigen binding of anti-human DDR1 mAb(DMC100480).
(A) DMC100480 does not bind to jurkat cells that do not express DDR1.
(B) A clear peak shift of DMC100480 was seen compared to the control when incubated with DDR1-expressing SNU-5 cells, indicating strong binding of DMC100480 to DDR1. Antibodies were incubated at 5 μg/mL.

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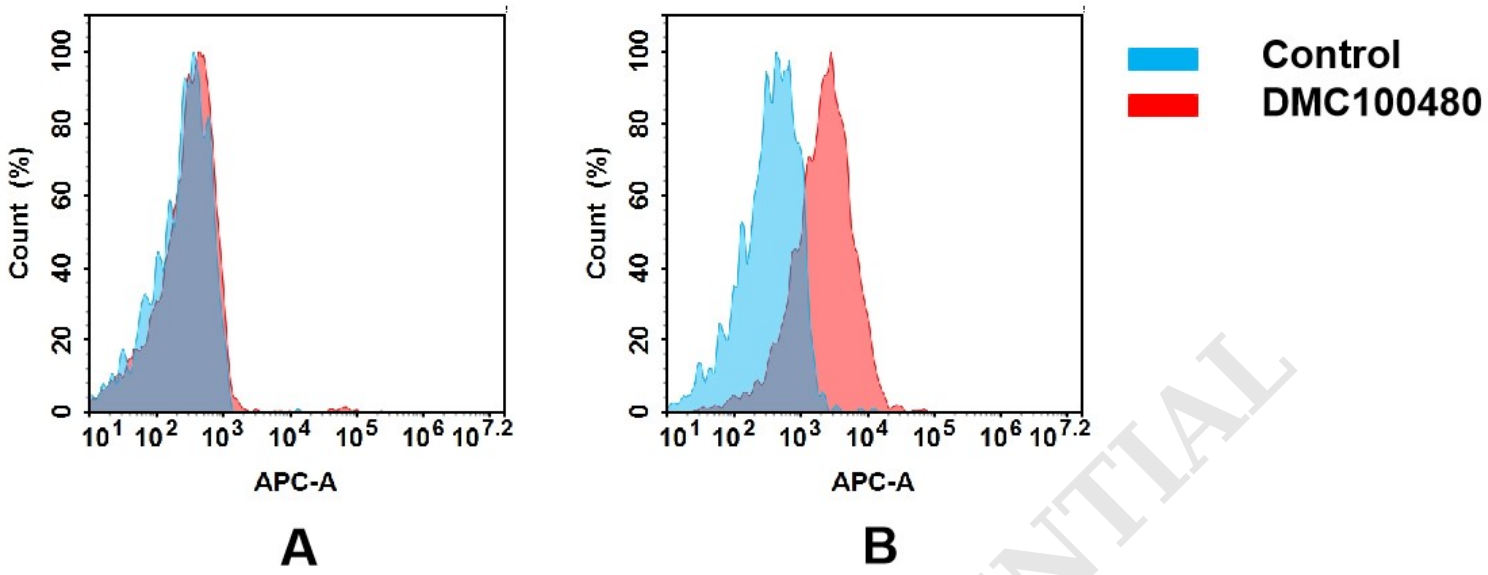

Figure 3. Flow cytometry analysis of antigen binding of anti-human DDR1 mAb(DMC100480).
(A) DMC100480 does not bind to jurkat cells that do not express DDR1.
(B) A clear peak shift of DMC100480 was seen compared to the control when incubated with DDR1-expressing MCF-7 cells, indicating strong binding of DMC100480 to DDR1. Antibodies were incubated at 5 μg/mL.

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