

**PRODUCT INFORMATION**

<b>Clone ID</b>	DMC480
<b>Target</b>	DDR1
<b>Synonyms</b>	CAK; EDDR1; NEP; NTRK4; PTK3A; RTK6; TRKE; MCK-10; HGK2; CD167a
<b>Host Species</b>	Rabbit
<b>Description</b>	Anti-DDR1 antibody(DMC480); IgG1 Chimeric mAb
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q08345
<b>IgG type</b>	Rabbit/Human Fc chimeric IgG1
<b>Clonality</b>	Monoclonal
<b>Reactivity</b>	Human
<b>Applications</b>	Flow Cyt
<b>Recommended Dilutions</b>	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>	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]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



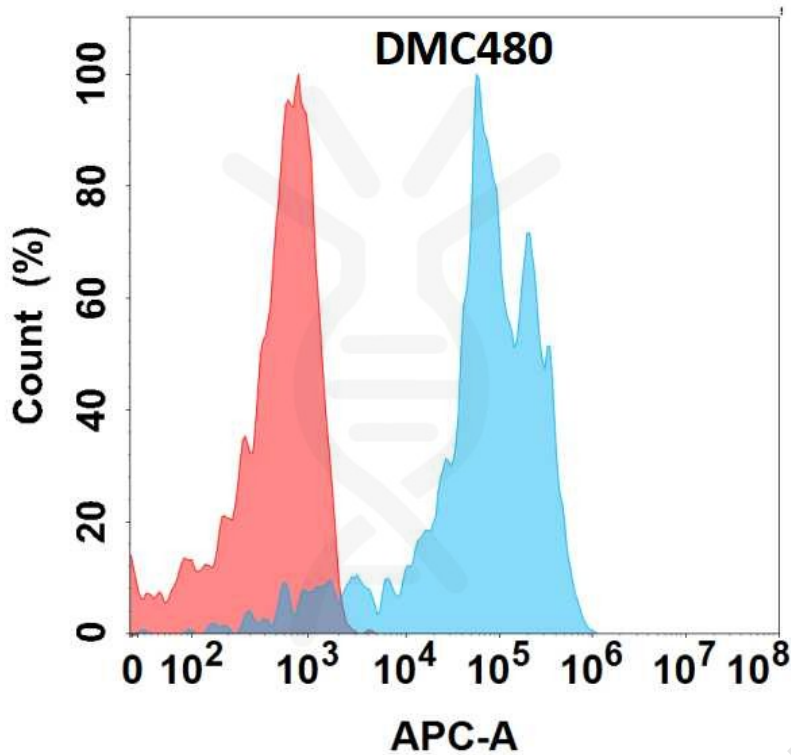


Figure 1. Flow cytometry analysis with Anti-DDR1 (DMC480) on Expi293 cells transfected with human DDR1 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

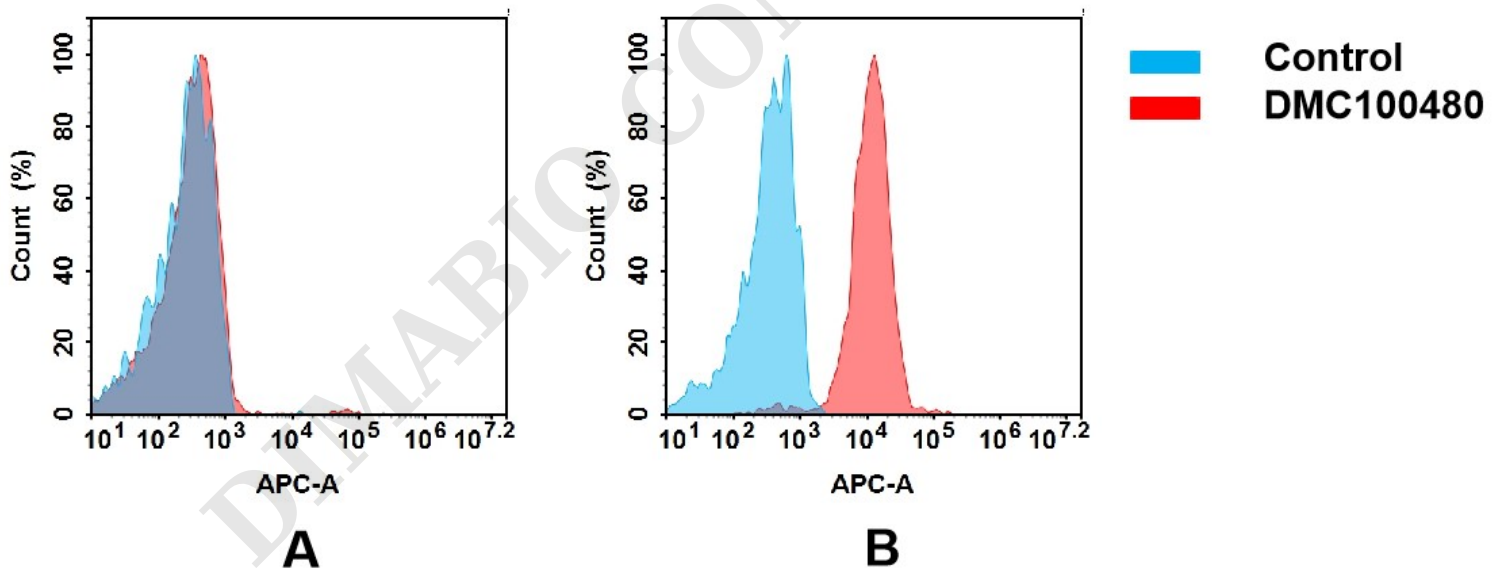


Figure 2. Flow cytometry analysis of antigen binding of anti-human DDR1 mAb(DMC100480).

(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.



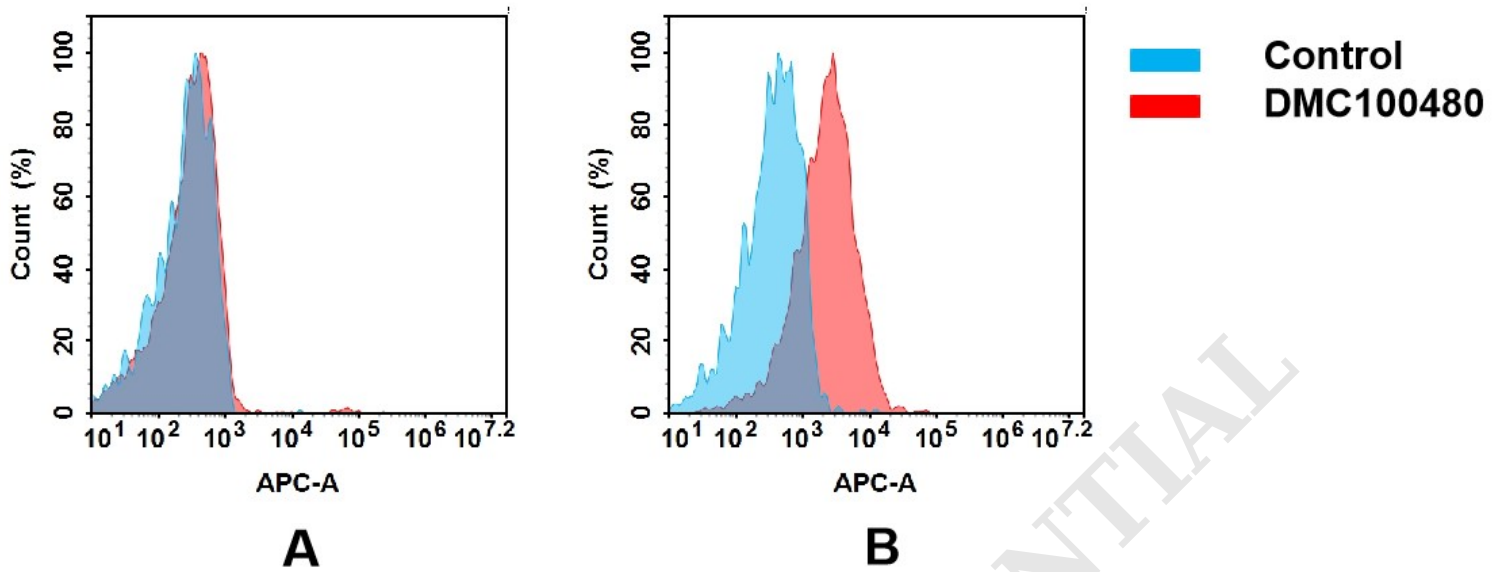


Figure 3. Flow cytometry analysis of antigen binding of anti-human DDR1 mAb(DMC100480).

(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.

