

**PRODUCT INFORMATION**

<b>Clone ID</b>	1G2
<b>Target</b>	CD3E
<b>Synonyms</b>	CD3e;T3E
<b>Host Species</b>	Rabbit
<b>Description</b>	Anti-CD3E antibody(1G2), IgG1 Chimeric mAb
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P07766
<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>	The protein encoded by this gene is the CD3-epsilon polypeptide, which together with CD3-gamma, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T-cell receptor-CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. The epsilon polypeptide plays an essential role in T-cell development. Defects in this gene cause immunodeficiency. This gene has also been linked to a susceptibility to type I diabetes in women. [provided by RefSeq, Jul 2008]
<b>Usage</b>	Research use only



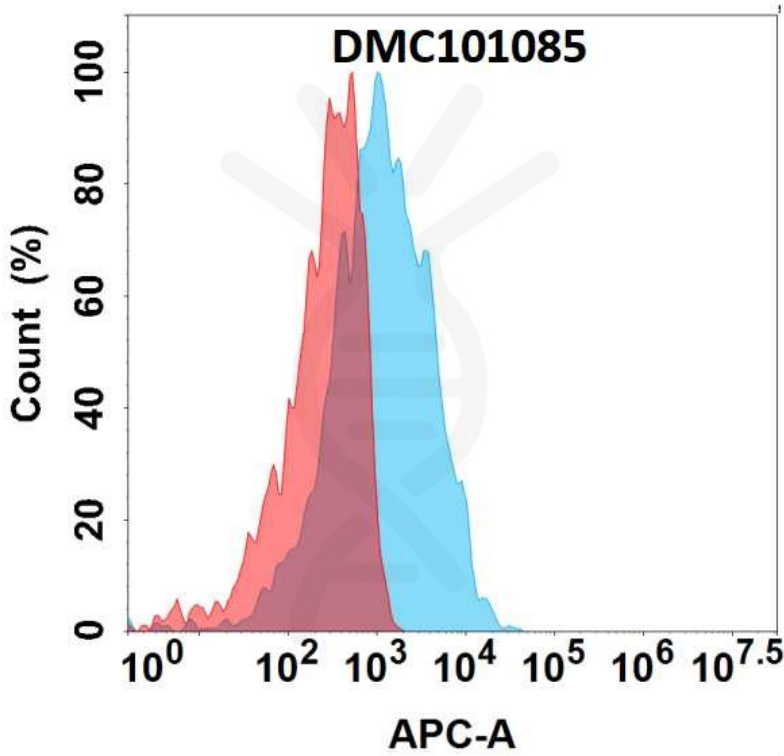


Figure 1. Flow cytometry analysis with 1µg/mL Anti-CD3E (1G2) mAb on Jurkat cells.

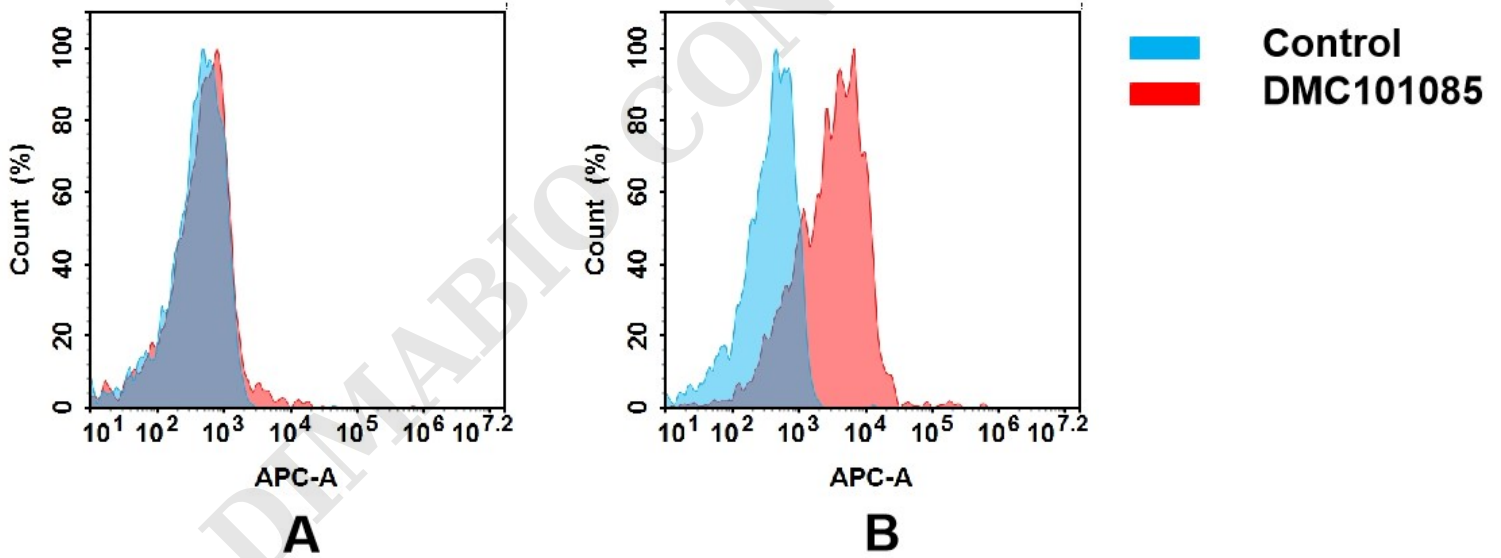


Figure 2. Flow cytometry analysis of antigen binding of anti-human CD3E mAb(DMC101085).  
(A) DMC101085 does not bind to 293T cells that do not express CD3E.  
(B) A clear peak shift of DMC101085 was seen compared to the control when incubated with CD3E-expressing Jurkat cells, indicating strong binding of DMC101085 to CD3E. Antibodies were incubated at 5 µg/mL.

