

## PRODUCT INFORMATION

<b>Clone ID</b>	DM43
<b>Target</b>	CD48
<b>Synonyms</b>	CD48; BCM1; SLAMF2; BLAST; BLAST1; MEM-102; TCT.1; BCM-1; SLAMF-2; BLAST-1
<b>Host Species</b>	Rabbit
<b>Description</b>	Anti-CD48 antibody(DM43); Rabbit mAb
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P09326
<b>IgG type</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Reactivity</b>	Human
<b>Applications</b>	ELISA; Flow Cyt
<b>Recommended Dilutions</b>	ELISA 1:5000-10000; 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>	This gene encodes a member of the CD2 subfamily of immunoglobulin-like receptors which includes SLAM (signaling lymphocyte activation molecules) proteins. The encoded protein is found on the surface of lymphocytes and other immune cells; dendritic cells and endothelial cells; and participates in activation and differentiation pathways in these cells. The encoded protein does not have a transmembrane domain; however; but is held at the cell surface by a GPI anchor via a C-terminal domain which maybe cleaved to yield a soluble form of the receptor. Multiple transcript variants encoding different isoforms have been found for this gene.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



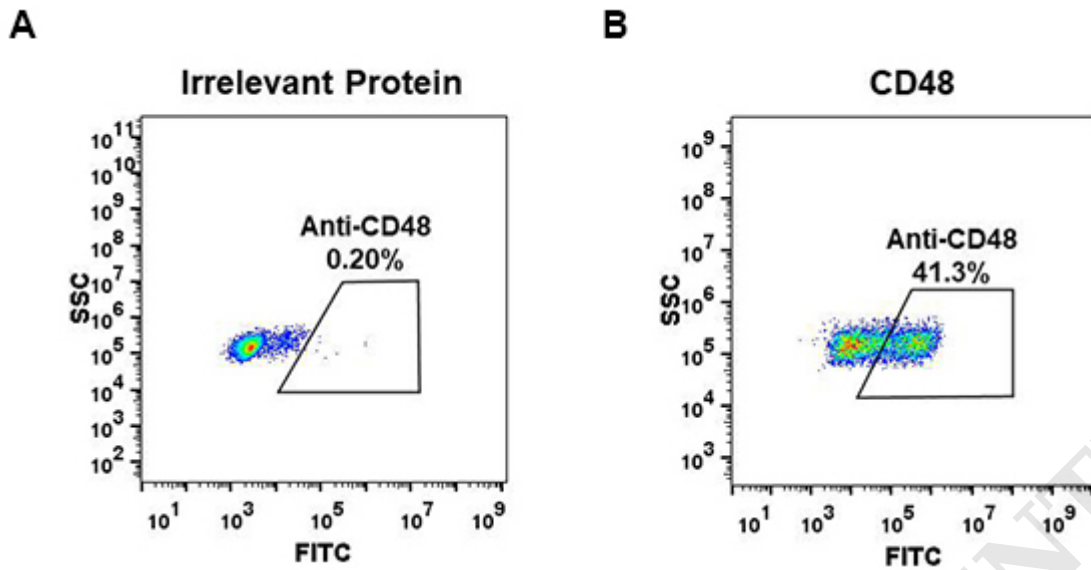


Figure 1. Expi 293 cell line transfected with irrelevant protein (left) and human CD48 (right) were surface stained with Rabbit anti-CD48 monoclonal antibody 1 $\mu$ g/ml ( clone: DM43) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

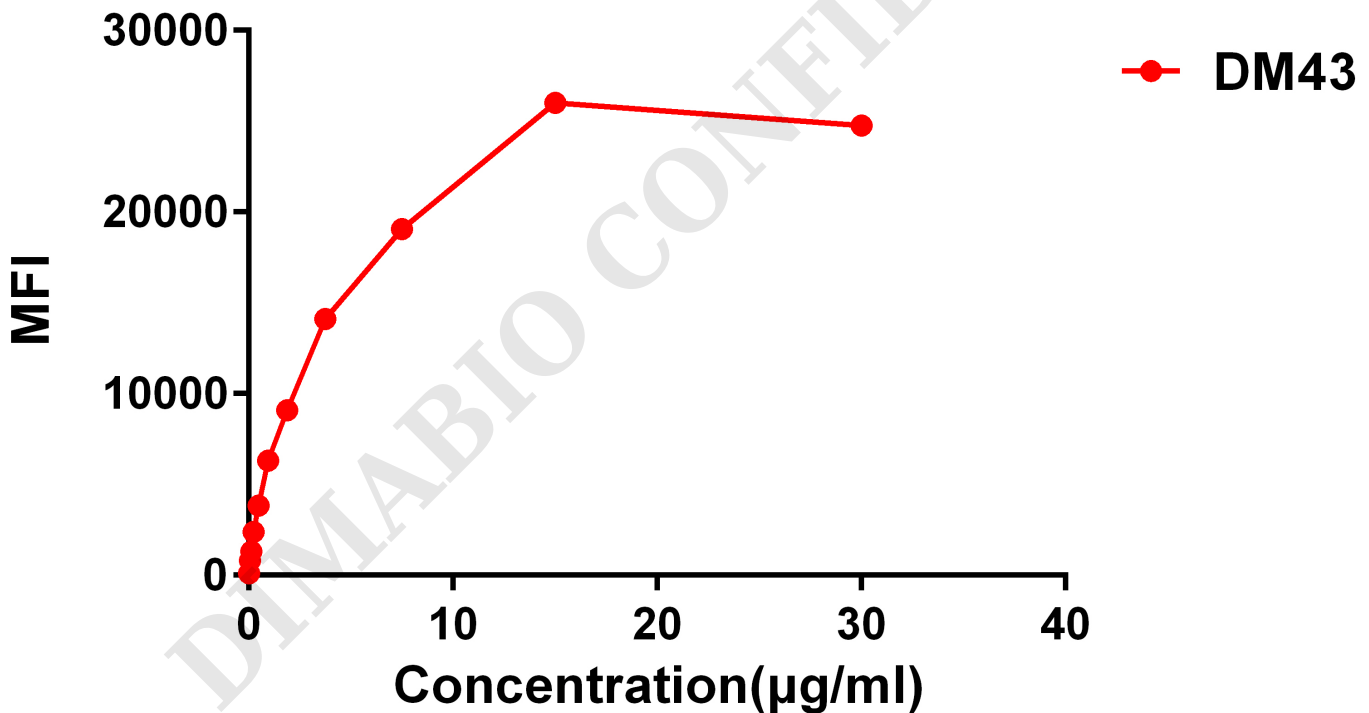


Figure 2. Flow cytometry data of serially titrated Rabbit anti-CD48 monoclonal antibody ( clone: DM43) on H929 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.



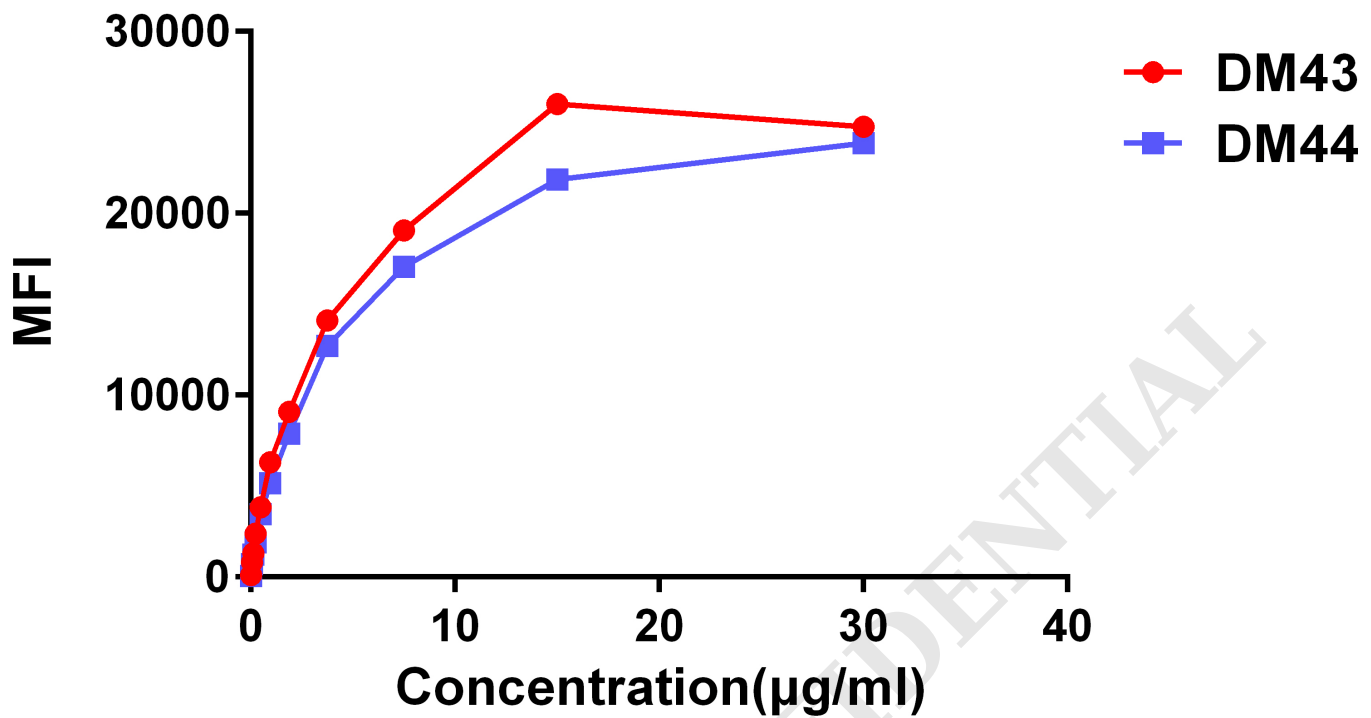


Figure 3. Affinity ranking of different Rabbit anti-CD48 mAb clones by titration of different concentration onto H929 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

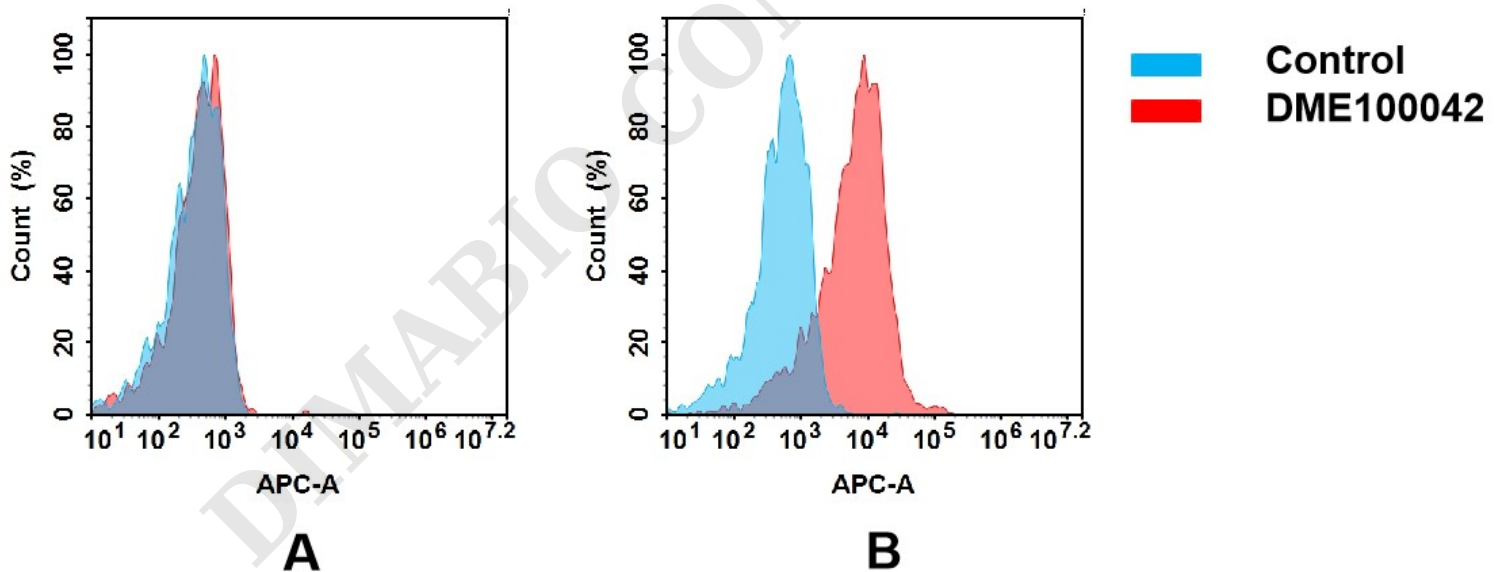


Figure 4. Flow cytometry analysis of antigen binding of rabbit anti-human CD48 mAb(DME100042).

(A) DME100042 does not bind to 293T cells that do not express CD48.

(B) A clear peak shift of DME100042 was seen compared to the control when incubated with CD48-expressing Raji cells, indicating strong binding of DME100042 to CD48. Antibodies were incubated at 2 µg/mL.

