PRODUCT INFORMATION

Clone ID	**Warning**: Undefined variable $hasAttributeValueDescription in **C:\wwwroot\mirror.dimabio.com\wp-content\plugins\woocommerce-print-products\public\class-woocommerce-print-products-public.php** on line **2806** DM43
Target	CD48
Synonyms	CD48; BCM1; SLAMF2; BLAST; BLAST1; MEM-102; TCT.1; BCM-1; SLAMF-2; BLAST-1
Host Species	Rabbit
Description	Anti-CD48 antibody(DM43); Rabbit mAb
Delivery	In Stock
Uniprot ID	P09326
IgG type	Rabbit IgG
Clonality	Monoclonal
Reactivity	Human
Applications	ELISA; Flow Cyt
Recommended Dilutions	ELISA 1:5000-10000; 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.
Yefei_Storage	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 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.
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.

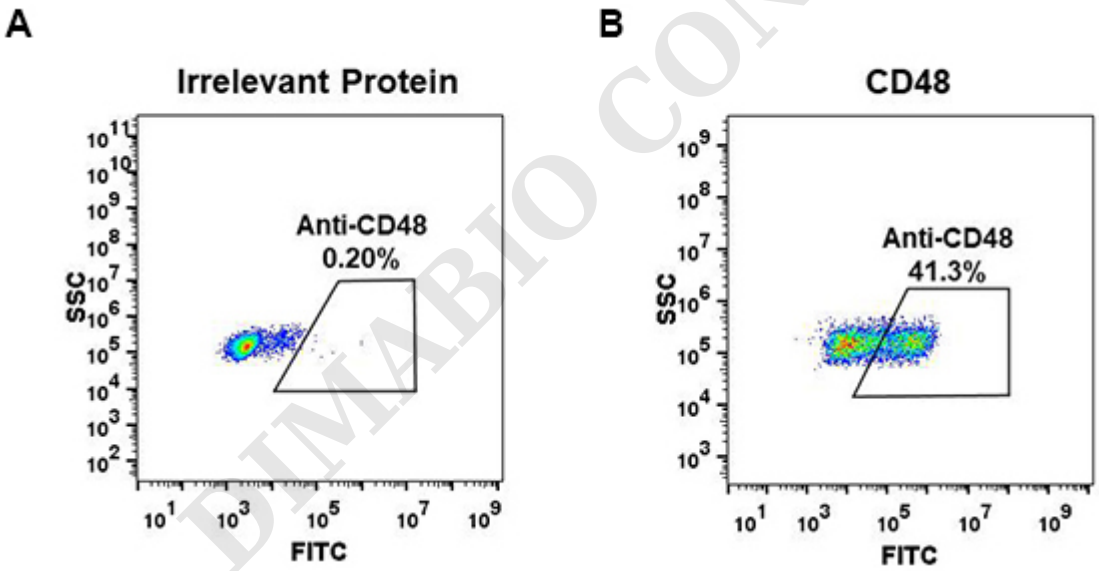

Figure 1. HEK293 cell line transfected with irrelevant protein (left) and human CD48 (right) were surface stained with Rabbit anti-CD48 monoclonal antibody 1µg/ml (clone: DM43) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

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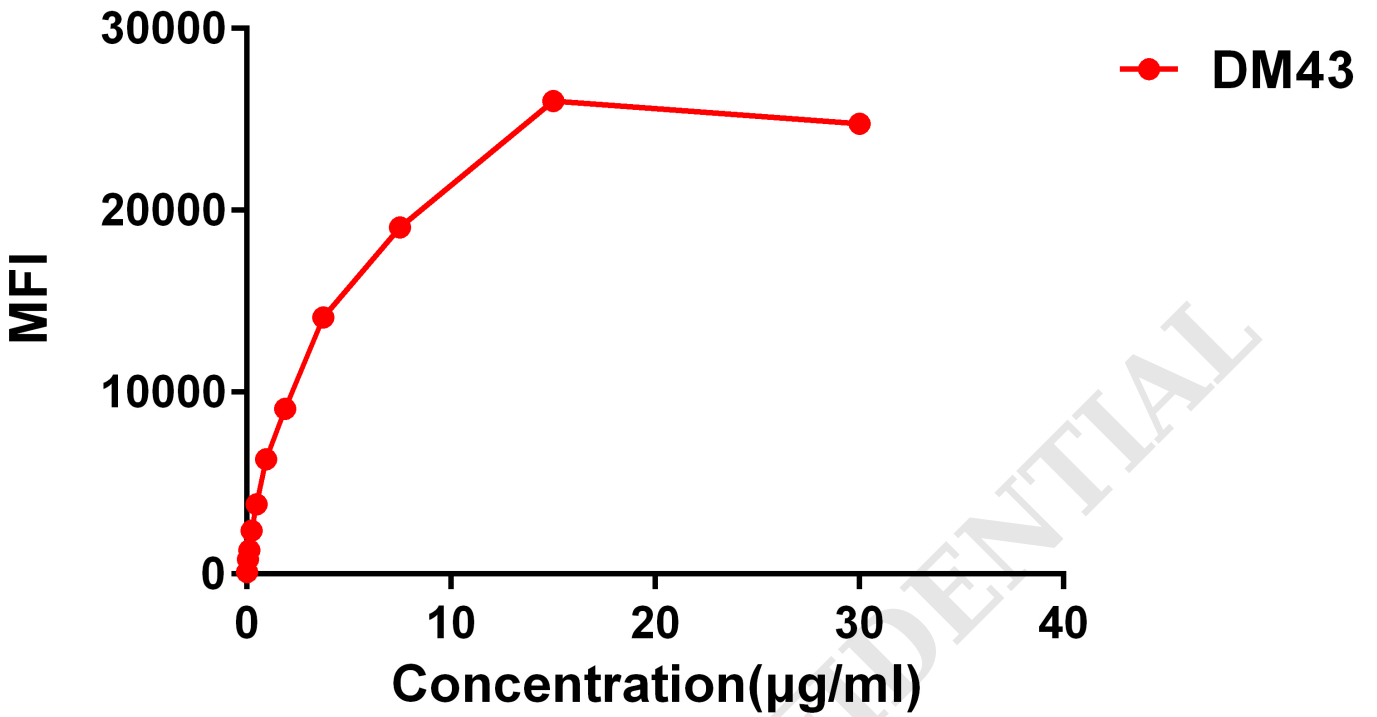

Figure 2. Flow cytometry data of serially titrated Rabbit anti-CD48 monoclonal antibody (clone: DM43) on H929 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

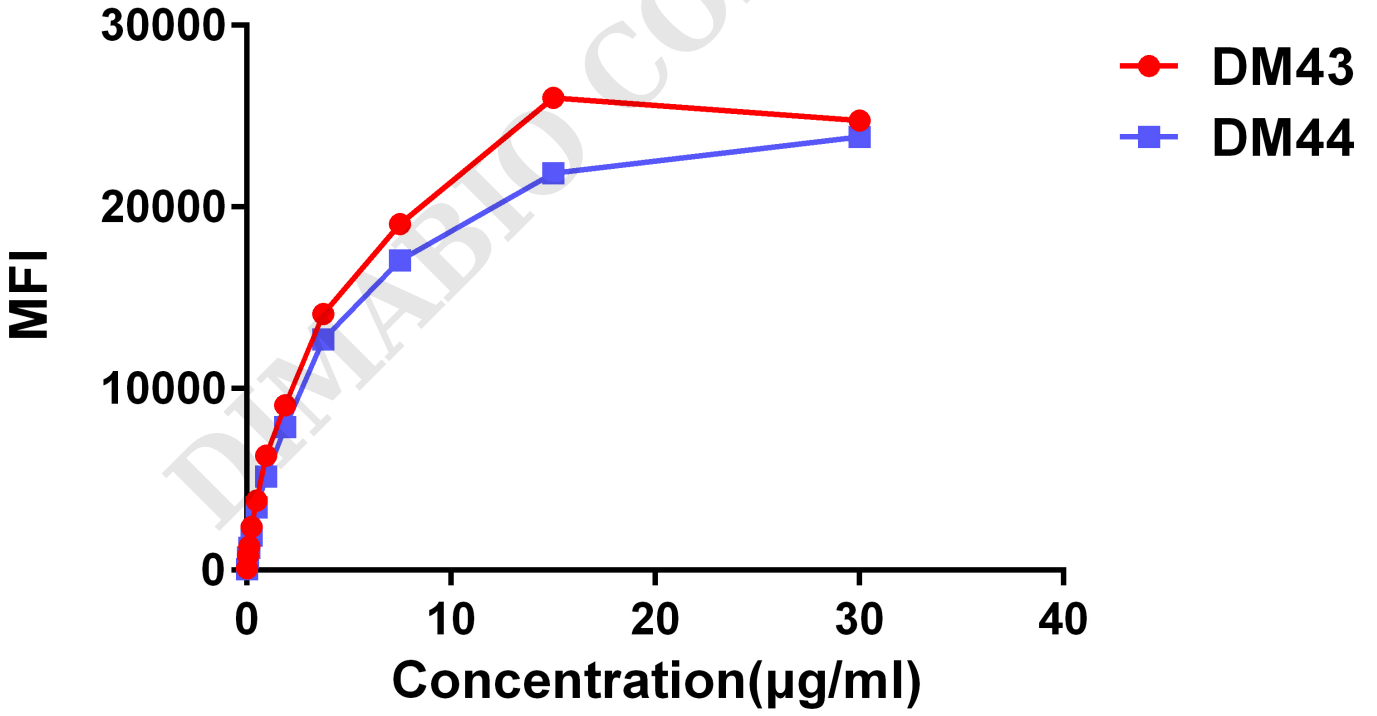

Figure 3. Affinity ranking of different Rabbit anti-CD48 mAb clones by titration of different concentration onto H929 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

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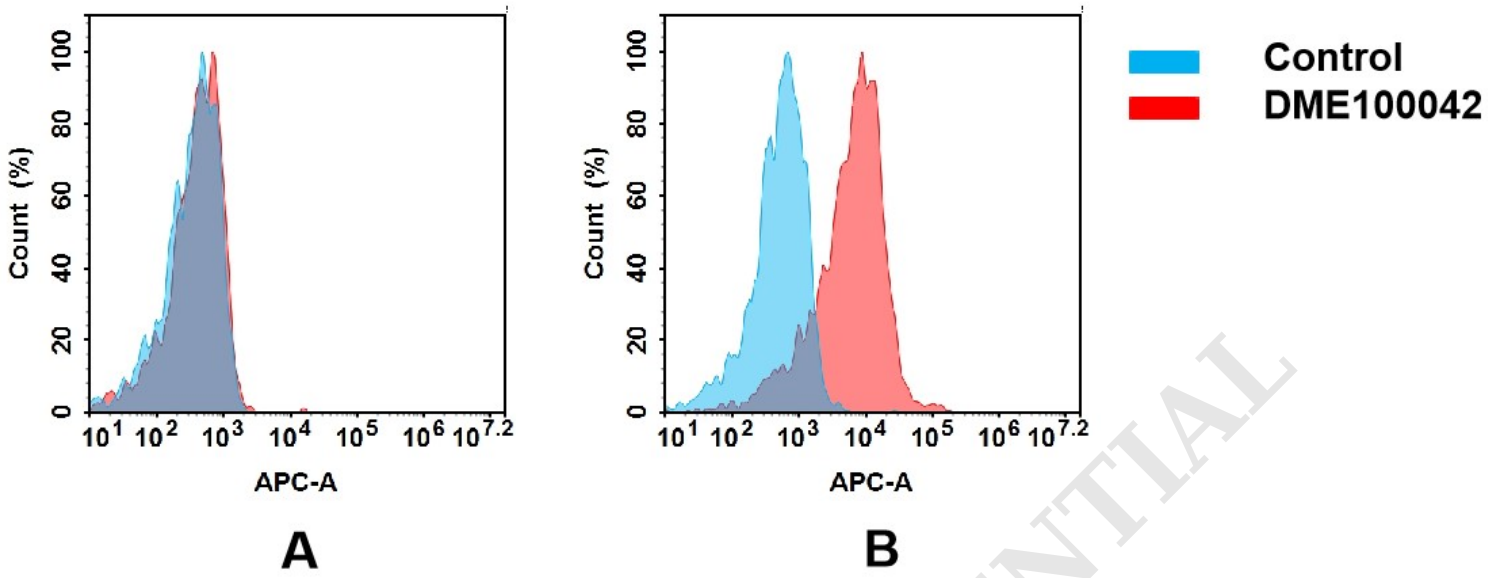

Figure 4. Flow cytometry analysis of antigen binding of rabbit anti-human CD48 mAb(DME100042).

(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.

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