Anti-CD81 antibody(DMC429); IgG1 Chimeric mAb

Cat. No. DMC100429

PRODUCT INFORMATION

Clone ID	**Warning**: Undefined variable $hasAttributeValueDescription in **/www/wwwroot/tech.dimabio.cn/wp-content/plugins/woocommerce-print-products/public/class-woocommerce-print-products-public.php** on line **2806** DMC429
Target	CD81
Synonyms	CVID6; S5.7; TAPA1; TSPAN28
Host Species	Rabbit
Description	Anti-CD81 antibody(DMC429); IgG1 Chimeric mAb
Delivery	In Stock
Uniprot ID	P60033
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	The protein encoded by this gene is a member of the transmembrane 4 superfamily; also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development; activation; growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. This protein appears to promote muscle cell fusion and support myotube maintenance. Also it may be involved in signal transduction. This gene is localized in the tumor-suppressor gene region and thus it is a candidate gene for malignancies. Two 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 scr

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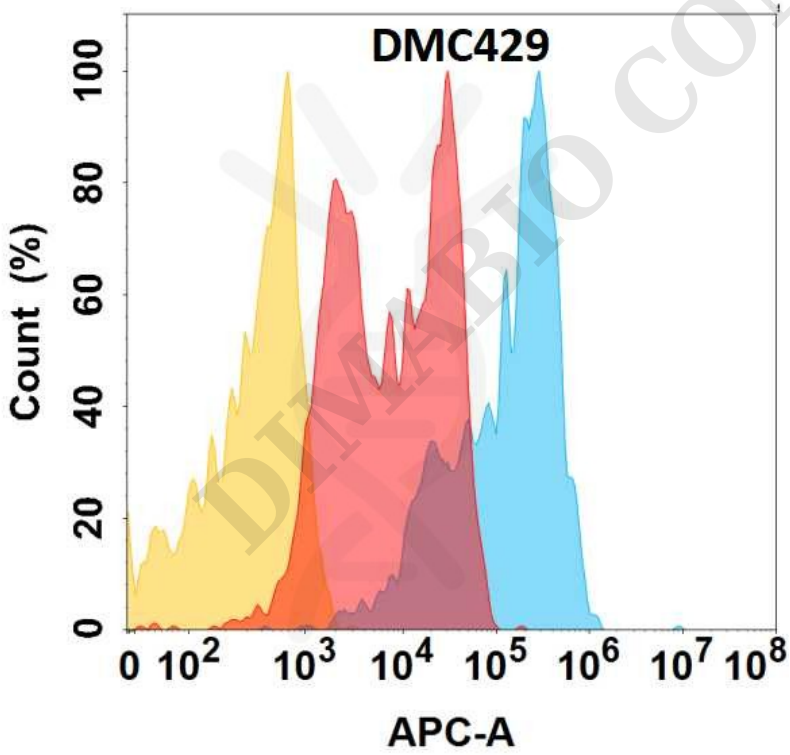


Figure 1. CD81 protein is highly expressed on the surface of HEK293 cell membrane. Flow cytometry analysis with Anti-CD81 (DMC429) on HEK293 cells transfected with human CD81 (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram), and Isotype antibody on HEK293 transfected with irrelevant protein (Orange histogram).

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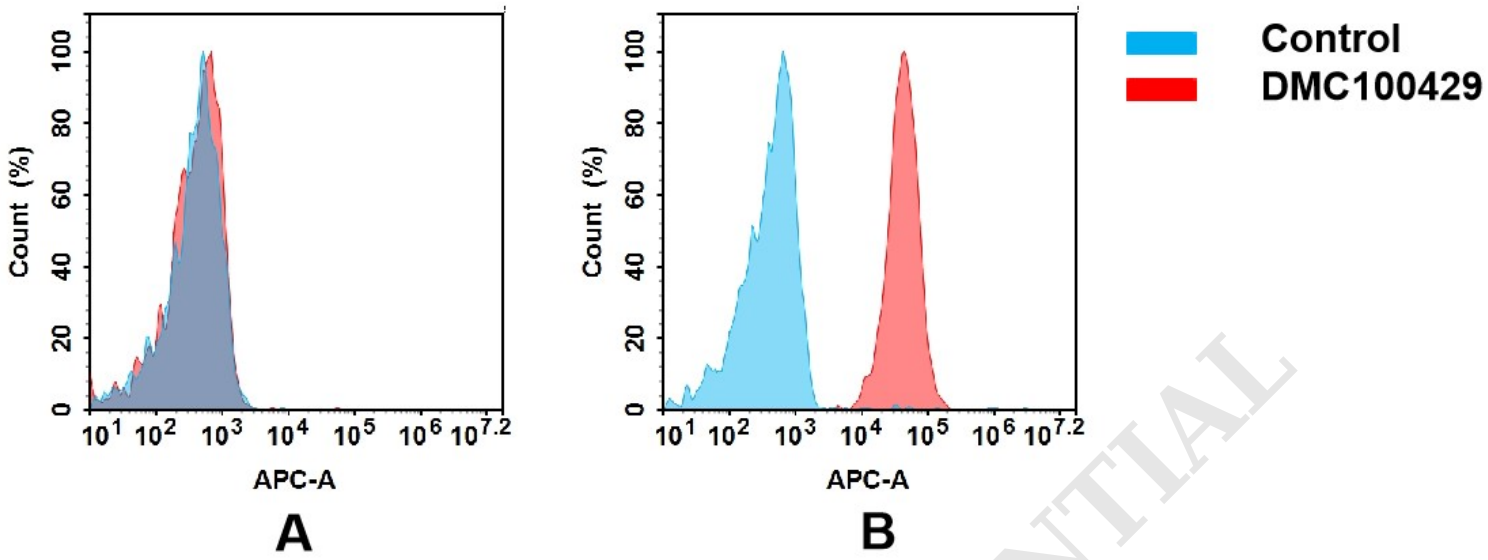


Figure 2. Flow cytometry analysis of antigen binding of anti-human CD81 mAb(DMC100429).
(A) DMC100429 does not bind to CHO-S cells that do not express CD81.
(B) A clear peak shift of DMC100429 was seen compared to the control when incubated with CD81-expressing THP-1 cells, indicating strong binding of DMC100429 to CD81. Antibodies were incubated at 5 μg/mL.

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