## PRODUCT INFORMATION

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| **Clone ID** | DMC425 |
| **Target** | CD63 |
| **Synonyms** | CD63 antigen;Granulophysin;LAMP-3;Limp1;Melanoma-associated antigen ME491;OMA81H;Ocular melanoma-associated antigen;Tetraspanin-30;Tspan-30 |
| **Host Species** | Rabbit |
| **Description** | Anti-CD63 antibody(DMC425); IgG1 Chimeric mAb |
| **Delivery** | In Stock |
| **Uniprot ID** | P08962 |
| **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. The encoded protein is a cell surface glycoprotein that is known to complex with integrins. It may function as a blood platelet activation marker. Deficiency of this protein is associated with Hermansky-Pudlak syndrome. Also this gene has been associated with tumor progression. Alternative splicing results in multiple transcript variants encoding different protein isoforms. |
| **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. |



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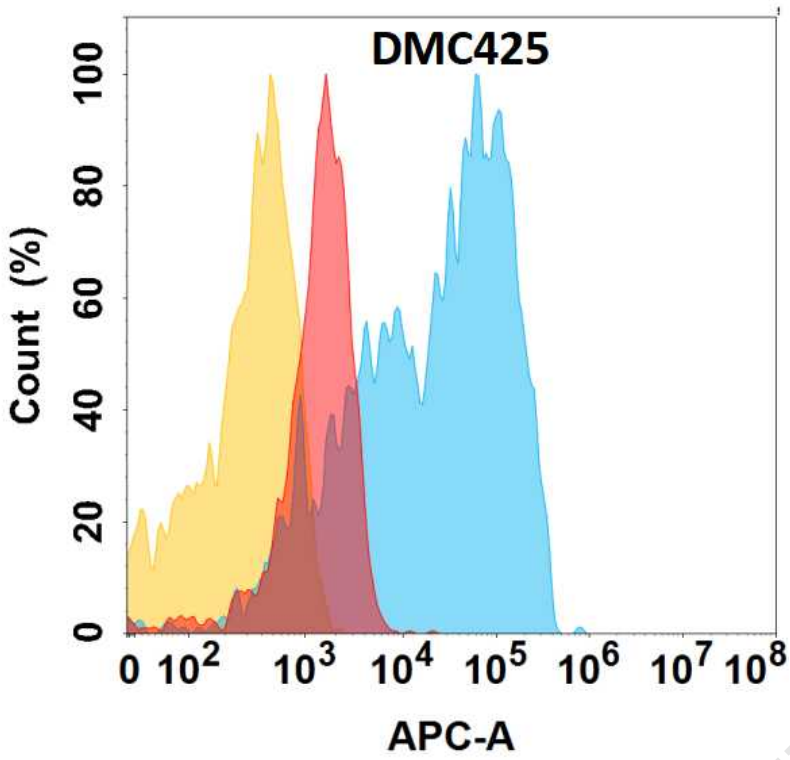


Figure 1. CD63 protein is highly expressed on the surface of Expi293 cell membrane. Flow cytometry analysis with Anti-CD63 (DMC425) on Expi293 cells transfected with human CD63 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram), and Isotype antibody on Expi293 transfected with irrelevant protein (Orange histogram).

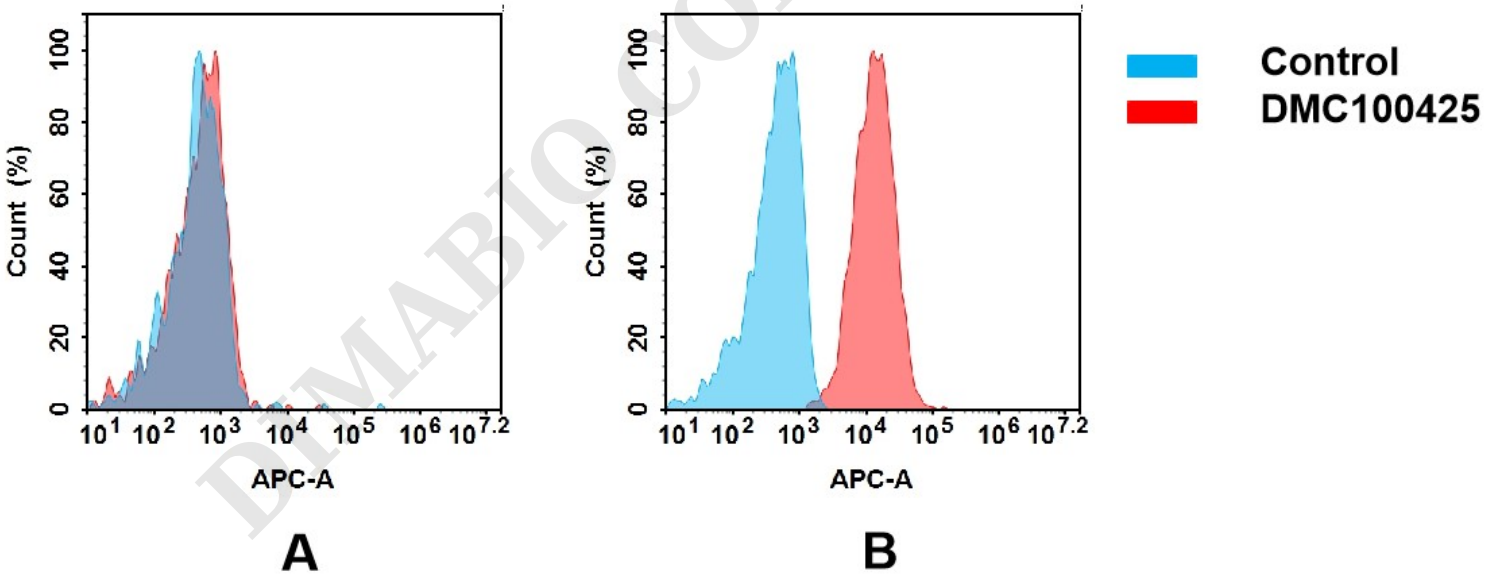


Figure 2. Flow cytometry analysis of antigen binding of anti-human CD63 mAb(DMC100425).
(A) DMC100425 does not bind to CHO-S cells that do not express CD63.
(B) A clear peak shift of DMC100425 was seen compared to the control when incubated with CD63-expressing THP-1 cells, indicating strong binding of DMC100425 to CD63. Antibodies were incubated at 5 μg/mL.



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