## PRODUCT INFORMATION

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| **Clone ID** | DM103 |
| **Target** | CD30 |
| **Synonyms** | TNFRSF8;CD30;D1S166E;Ki-1 |
| **Host Species** | Rabbit |
| **Description** | Anti-CD30 antibody(DM103); Rabbit mAb |
| **Delivery** | In Stock |
| **Uniprot ID** | P28908 |
| **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 |
| **Endotoxin** | Less than 1.0 EU/μg by the LAL method. For <1 EU/mg requirements, please contact us for customization. |
| **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. |
| **Sterility** | Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use. |
| **Background** | The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is expressed by activated; but not by resting; T and B cells. TRAF2 and TRAF5 can interact with this receptor; and mediate the signal transduction that leads to the activation of NF-kappaB. This receptor is a positive regulator of apoptosis; and also has been shown to limit the proliferative potential of autoreactive CD8 effector T cells and protect the body against autoimmunity. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. |
| **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 |

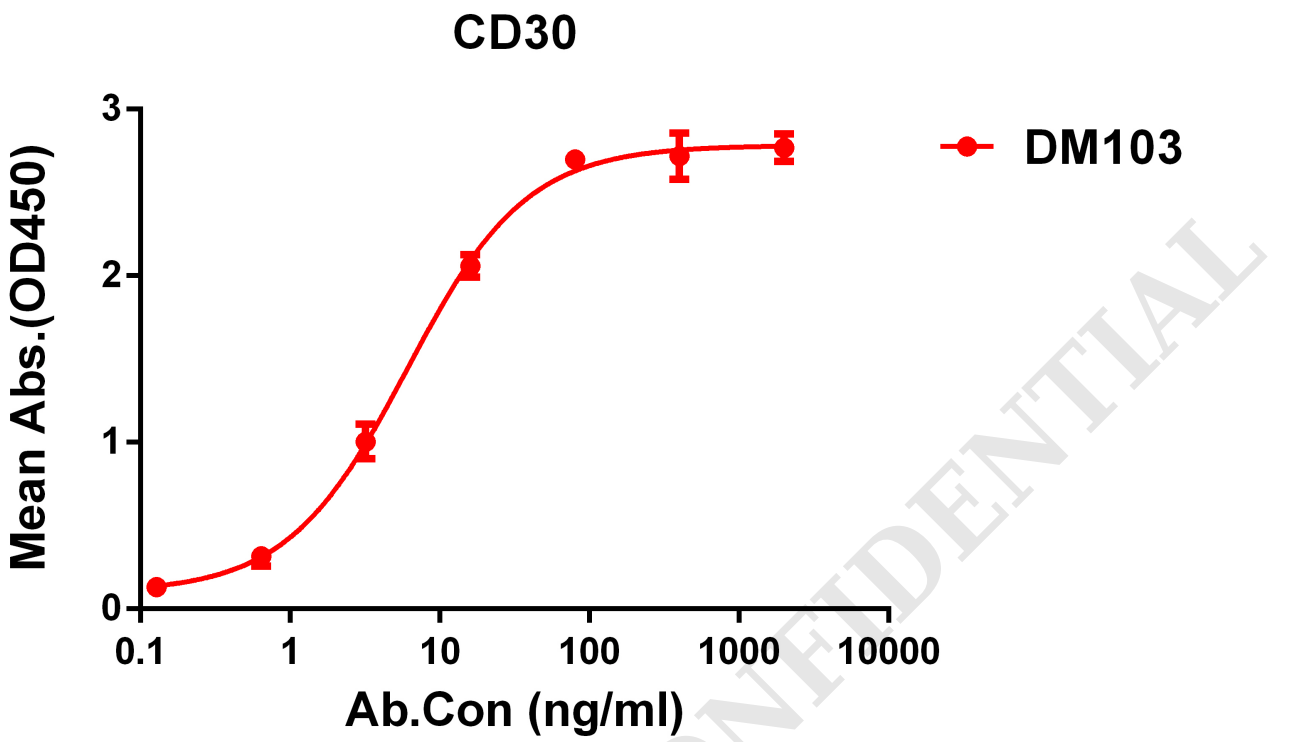


Figure 1. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human CD30 protein, His tagged protein PME100481 can bind Rabbit anti-CD30 monoclonal antibody (clone: DM103) in a linear range of 0.12-60 ng/ml.

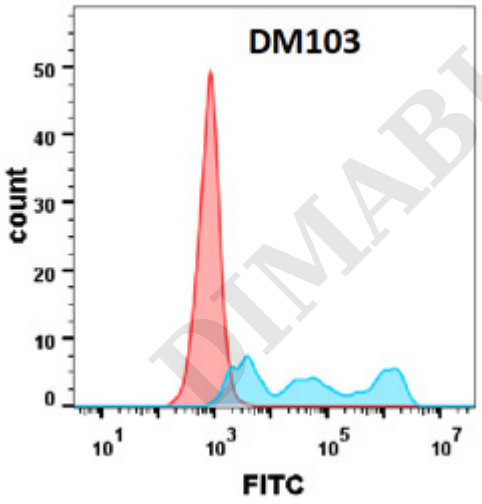


Figure 2. Flow cytometry analysis with Anti-CD30 (DM103) on HEK293 cells transfected with human CD30(Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

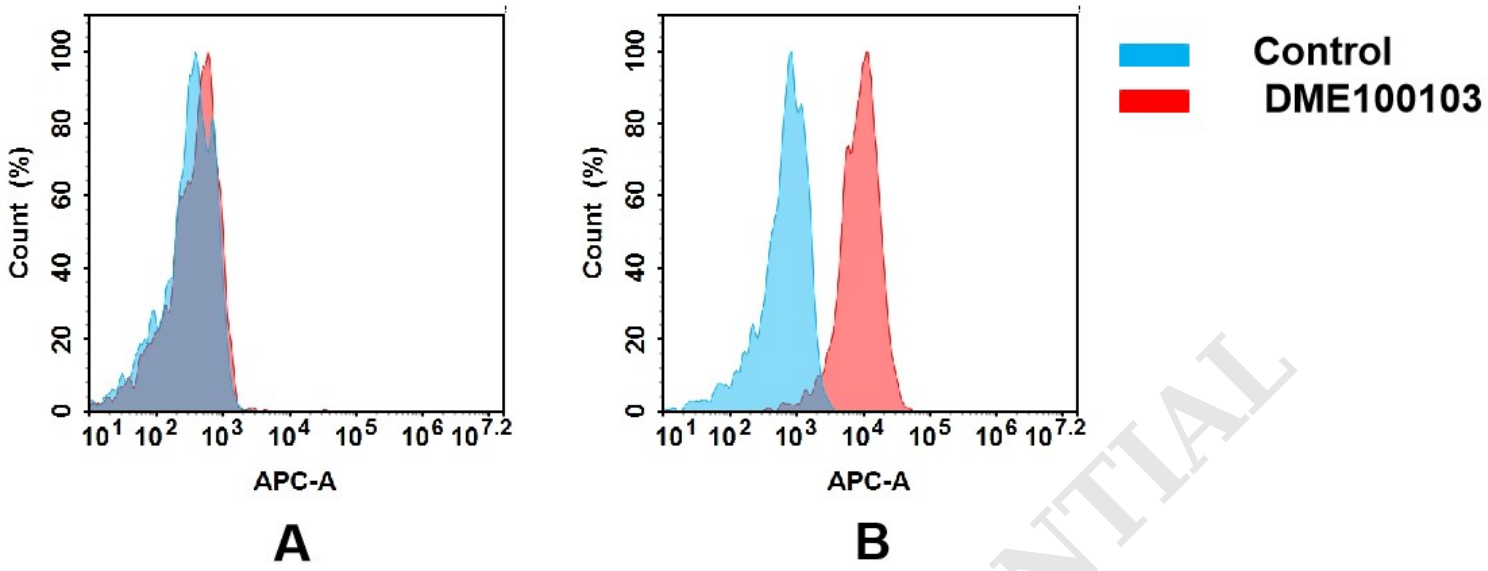


Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human CD30 mAb( DME100103).

(A) DME100103 does not bind to 293T cells that do not express CD30.
(B) A clear peak shift of DME100103 was seen compared to the control when incubated with CD30-expressing 8226 cells, indicating strong binding of DME100103 to CD30. Antibodies were incubated at 10 μg/mL.