

PRODUCT INFORMATION

|                              |   |
|------------------------------|---|
| Clone ID                     | DM76  |
| Target                       | Trop2   |
| Synonyms                     | TACSTD2; GA733-1; M1S1; TROP2   |
| Host Species                 | Rabbit  |
| Description                  | Anti-Trop2 antibody(DM76); Rabbit mAb   |
| Delivery                     | In Stock  |
| Uniprot ID                   | P09758  |
| 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.  |
| 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                   | This intronless gene encodes a carcinoma-associated antigen. This antigen is a cell surface receptor that transduces calcium signals. Mutations of this gene have been associated with gelatinous drop-like corneal dystrophy.                      |
| 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  |



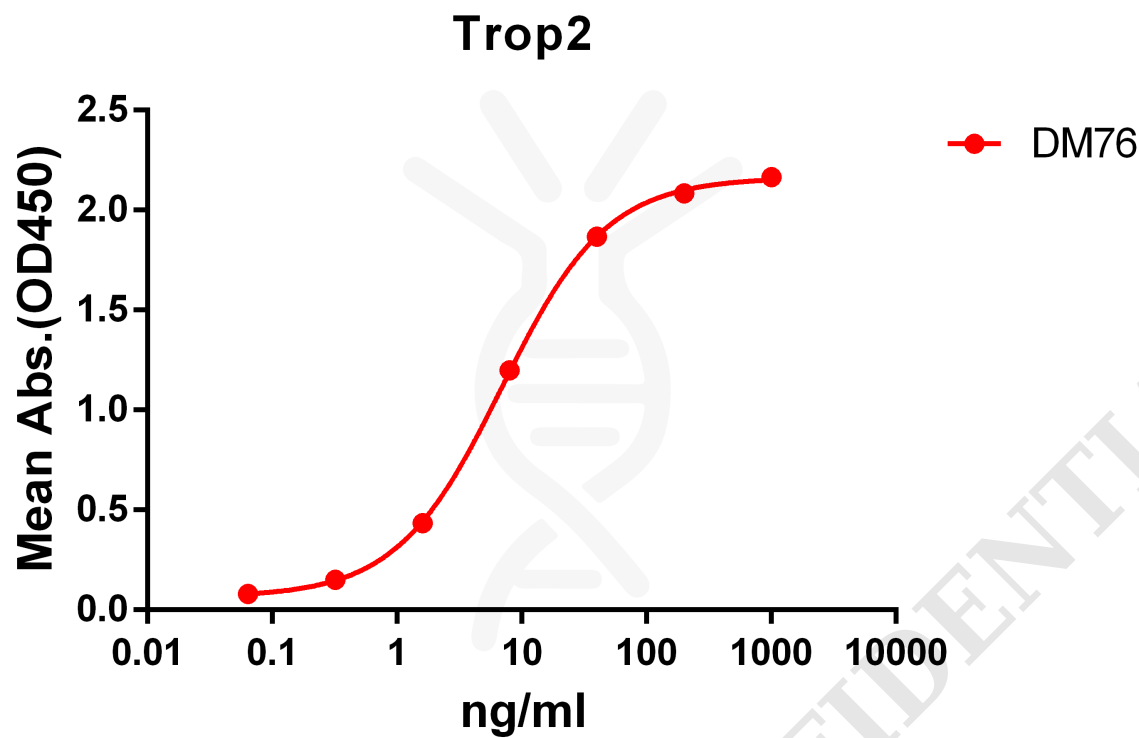


Figure 1. ELISA plate pre-coated by 2  $\mu$ g/ml (100  $\mu$ l/well) Human Trop2 protein, mFc-His tagged protein PME100501 can bind Rabbit anti-Trop2 monoclonal antibody (clone: DM76) in a linear range of 1-100 ng/ml.

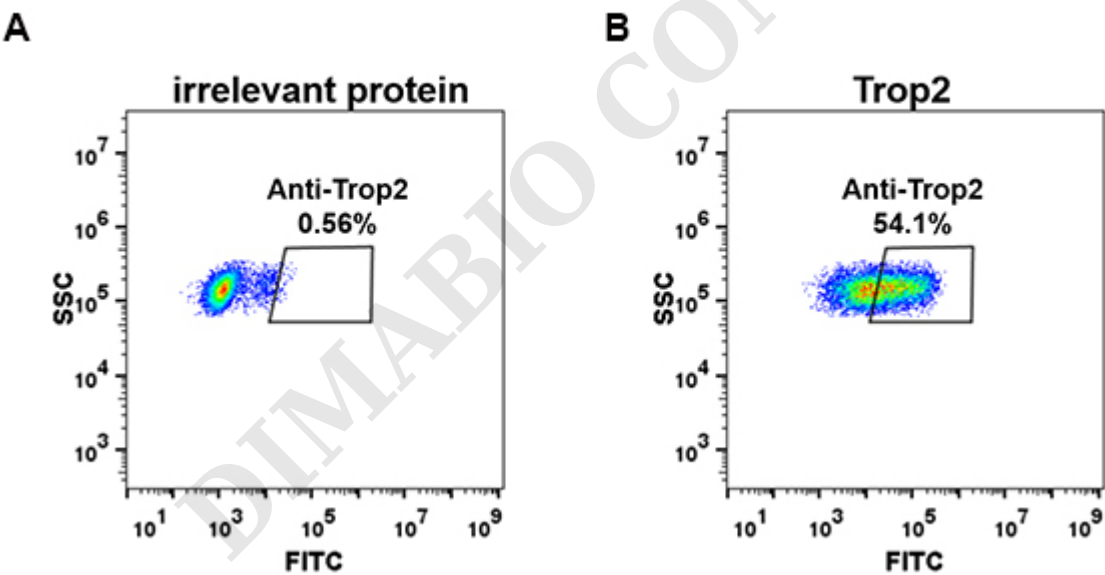


Figure 2. HEK293 cell line transfected with irrelevant protein (A) and human Trop2 (B) were surface stained with Rabbit anti-Trop2 monoclonal antibody 1 $\mu$ g/ml (clone: DM76) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.



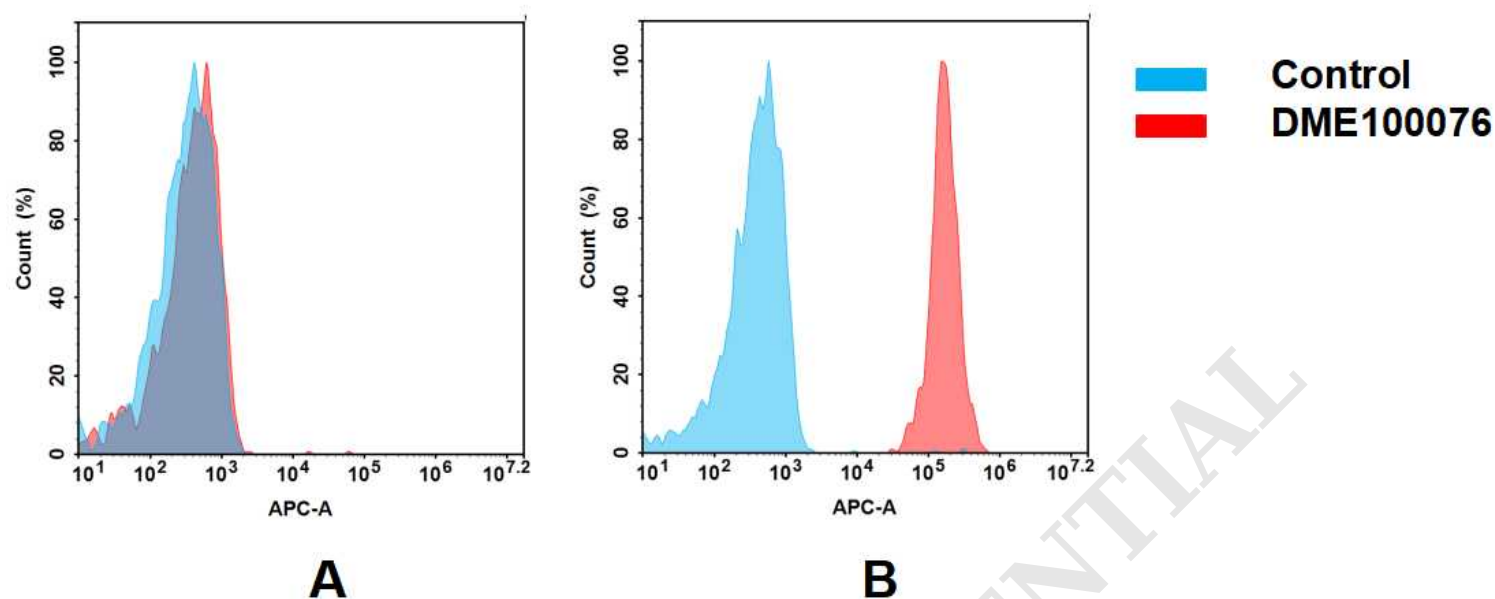


Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human Trop2 mAb(DME100076).

(A) DME100076 does not bind to 293T cells that do not express Trop2.

(B) A clear peak shift of DME100076 was seen compared to the control when incubated with Trop2-expressing A431 cells, indicating strong binding of DME100076 to Trop2. Antibodies were incubated at 2 µg/mL.

