

PRODUCT INFORMATION

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| Clone ID | DM74 |
| Target | Trop2 |
| Synonyms | TACSTD2; GA733-1; M1S1; TROP2 |
| Host Species | Rabbit |
| Description | Anti-Trop2 antibody(DM74); 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 |



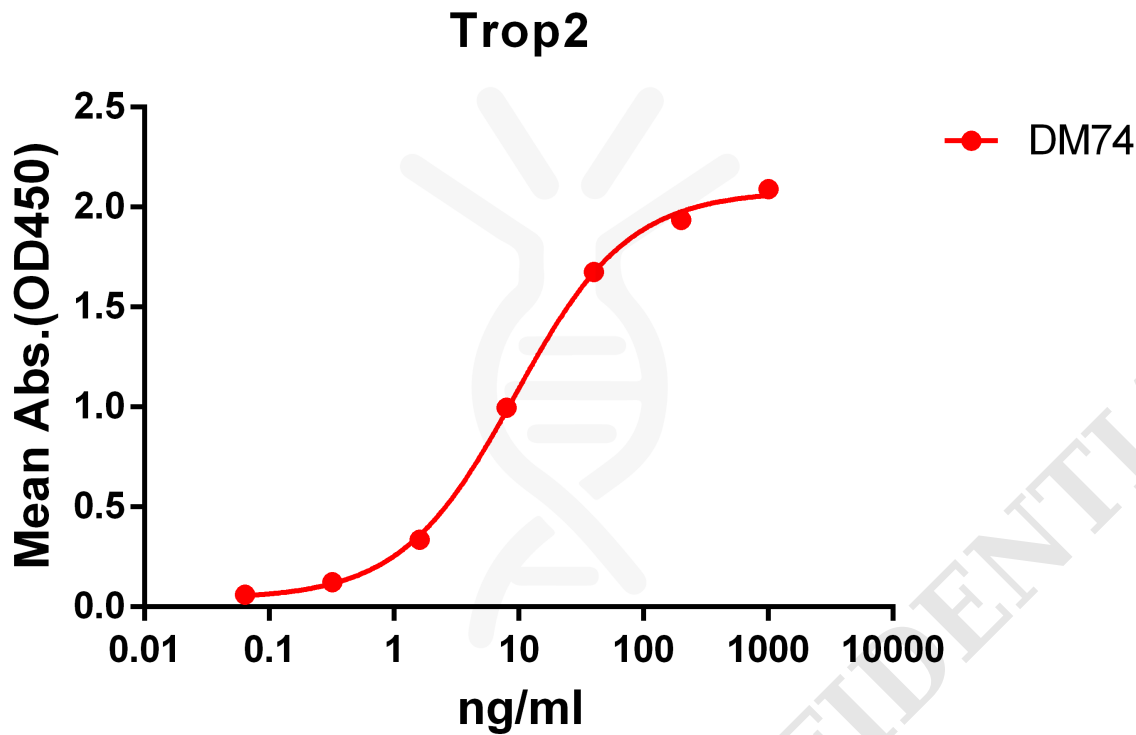


Figure 1. ELISA plate pre-coated by 2 $\mu\text{g/ml}$ (100 $\mu\text{l/well}$) Human Trop2 protein, mFc-His tagged protein PME100501 can bind Rabbit anti-Trop2 monoclonal antibody (clone: DM74) in a linear range of 1-100 ng/ml.

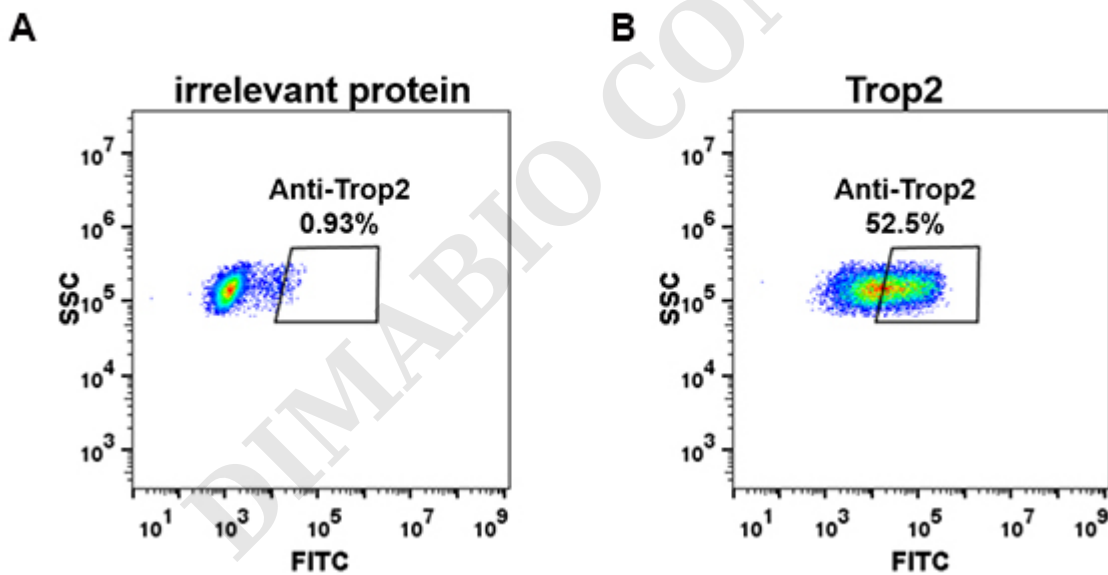


Figure 2. Expi 293 cell line transfected with irrelevant protein (A) and human Trop2 (B) were surface stained with Rabbit anti-Trop2 monoclonal antibody 1 $\mu\text{g/ml}$ (clone: DM74) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody



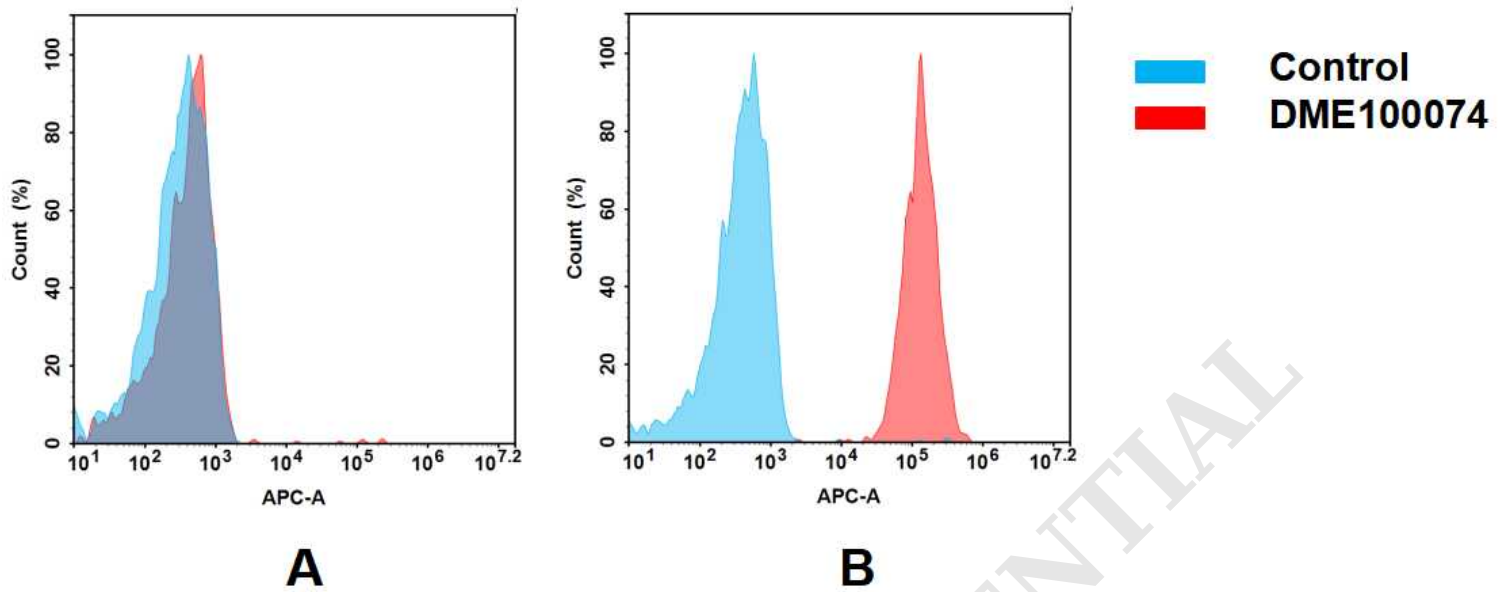


Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human Trop2 mAb(DME100074).

(A) DME100074 does not bind to 293T cells that do not express Trop2.

(B) A clear peak shift of DME100074 was seen compared to the control when incubated with Trop2-expressing A431 cells, indicating strong binding of DME100074 to Trop2. Antibodies were incubated at 2 μ g/mL.

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