

## PRODUCT INFORMATION

<b>Clone ID</b>	<b>Warning:</b> Undefined variable \$hasAttributeValueDescription in C:\wwwroot\mirror.dimabio.com\wp-content\plugins\woocommerce-print-products\publicclass-woocommerce-print-products-public.php on line 2806 DM74
<b>Target</b>	Trop2
<b>Synonyms</b>	TACSTD2; GA733-1; M1S1; TROP2
<b>Host Species</b>	Rabbit
<b>Description</b>	Anti-Trop2 antibody(DM74); Rabbit mAb
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P09758
<b>IgG type</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Reactivity</b>	Human
<b>Applications</b>	ELISA; Flow Cyt
<b>Recommended Dilutions</b>	ELISA 1:5000-10000; Flow Cyt 1:100
<b>Purification</b>	Purified from cell culture supernatant by affinity chromatography
<b>Formulation &amp; Reconstitution</b>	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.
<b>Yefei Storage</b>	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.
<b>Background</b>	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.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated
<b>DIMA Disclaimer</b>	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.

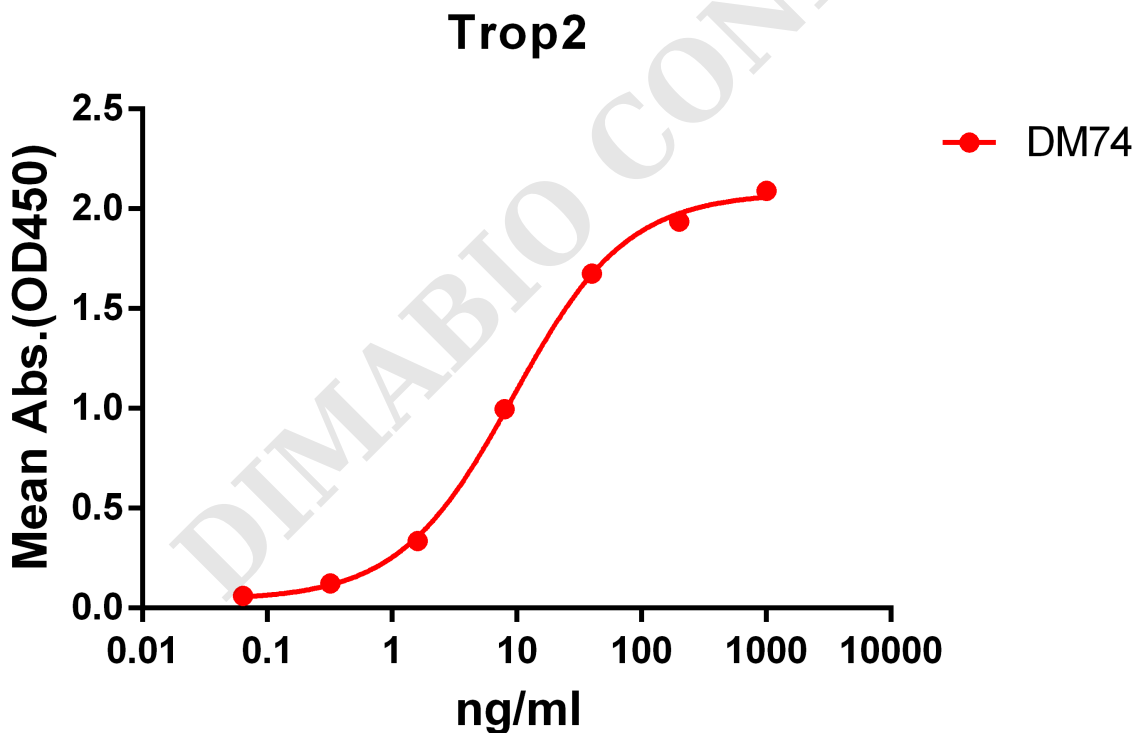


Figure 1. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human Trop2 protein, mFc-His tagged protein PME100501 can bind Rabbit anti-Trop2 monoclonal antibody (clone: DM74) in a linear range of 1-100 ng/ml.



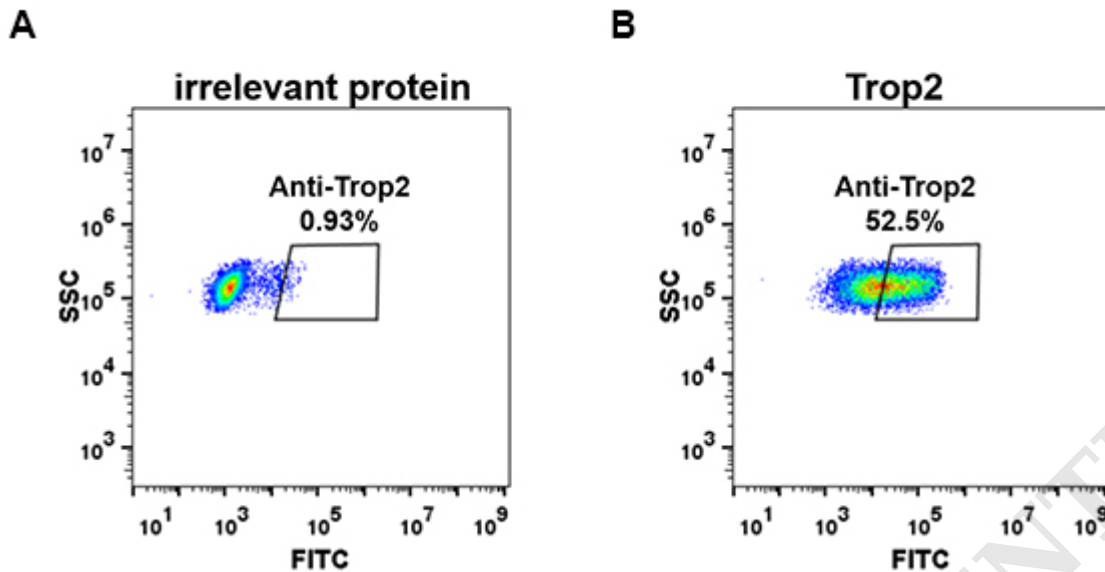


Figure 2. HEK293 cell line transfected with irrelevant protein (A) and human Trop2 (B) were surface stained with Rabbit anti-Trop2 monoclonal antibody 1 $\mu$ g/ml (clone: DM74) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody

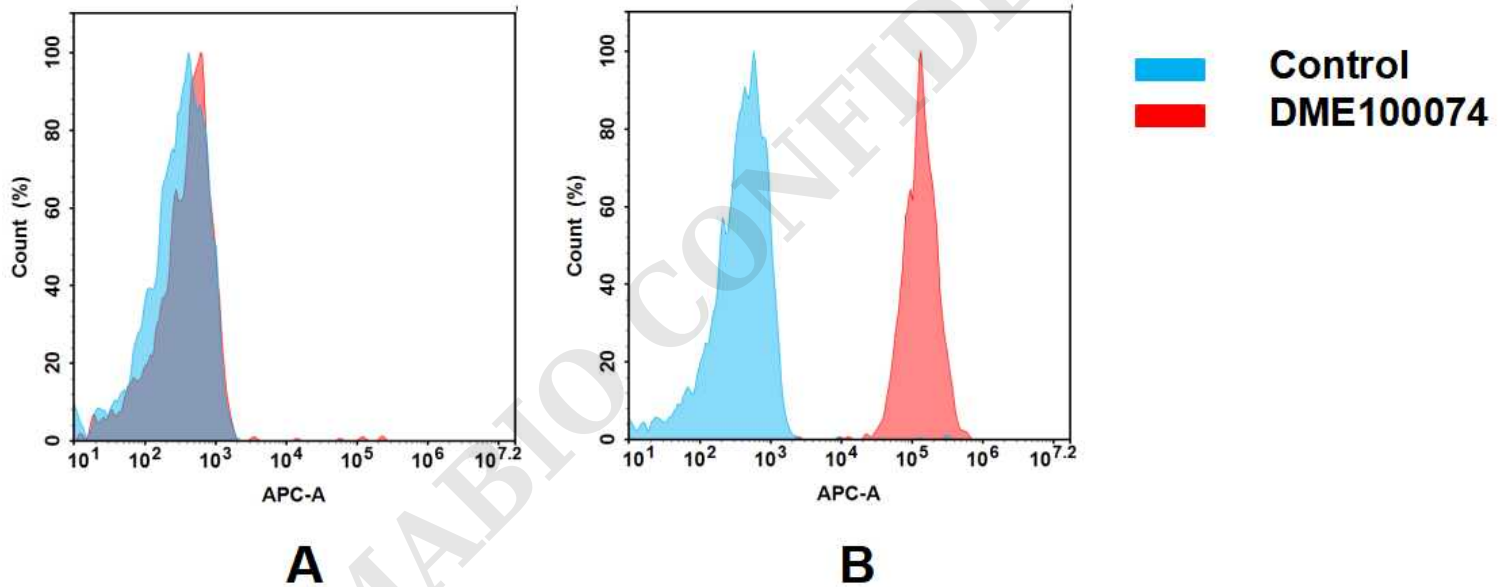


Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human Trop2 mAb(DME100074).

(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  $\mu$ g/mL.

