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

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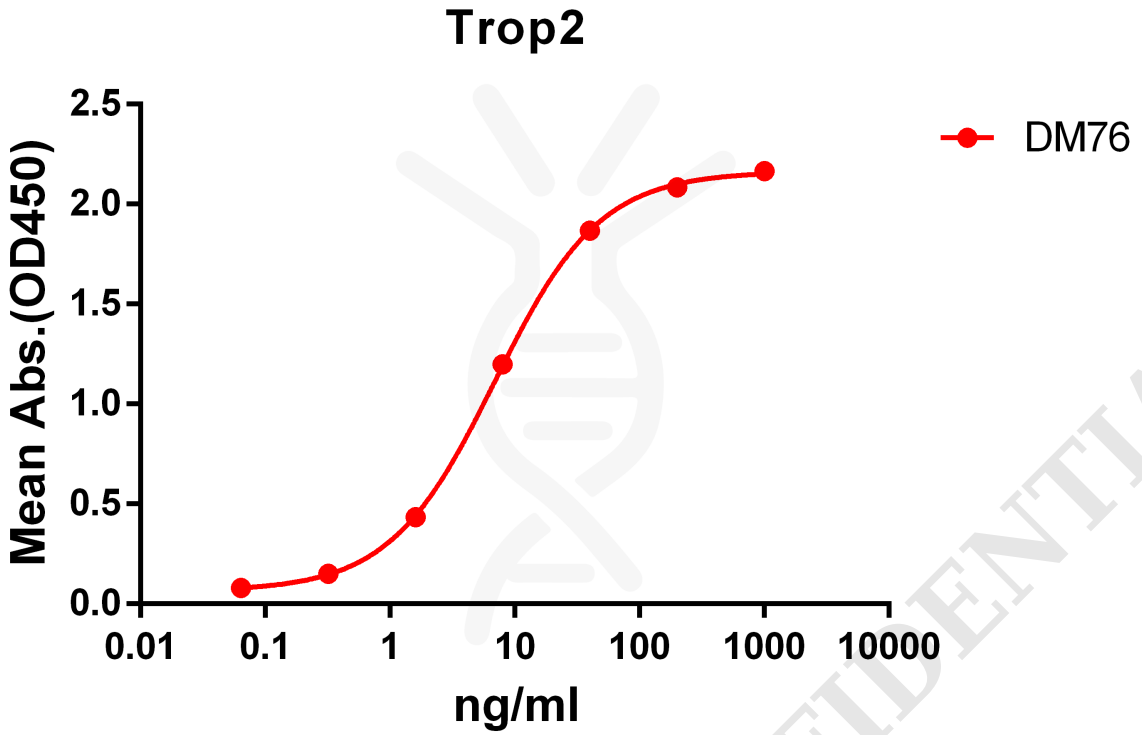

Figure 1. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human Trop2 protein, mFc-His tagged protein PME100501 can bind Rabbit anti-Trop2 monoclonal antibody (clone: DM76) in a linear range of 1-100 ng/ml.

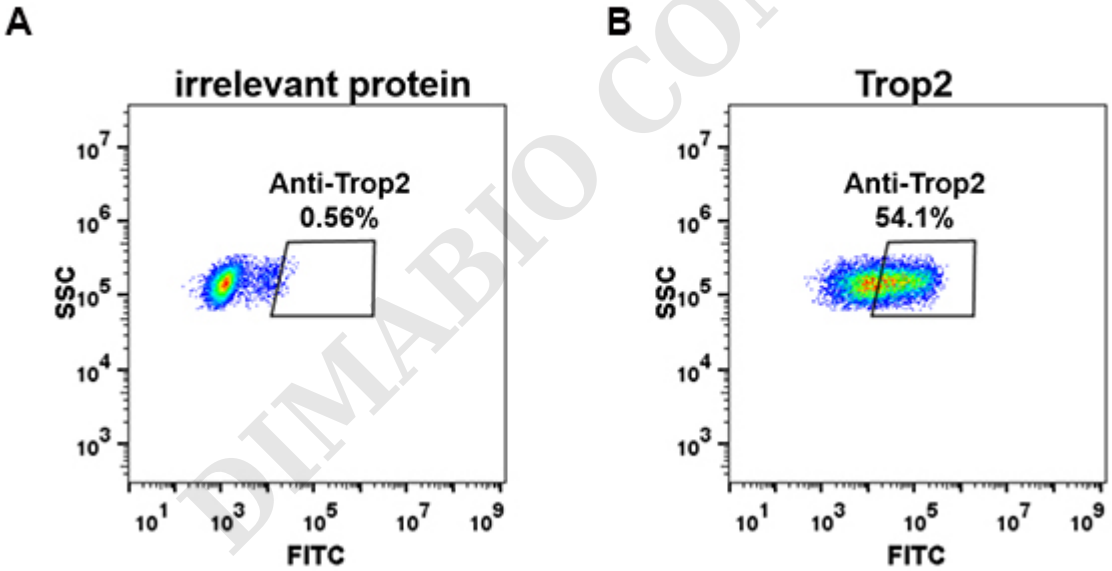

Figure 2. HEK293 cell line transfected with irrelevant protein (A) and human Trop2 (B) were surface stained with Rabbit anti-Trop2 monoclonal antibody 1μg/ml (clone: DM76) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

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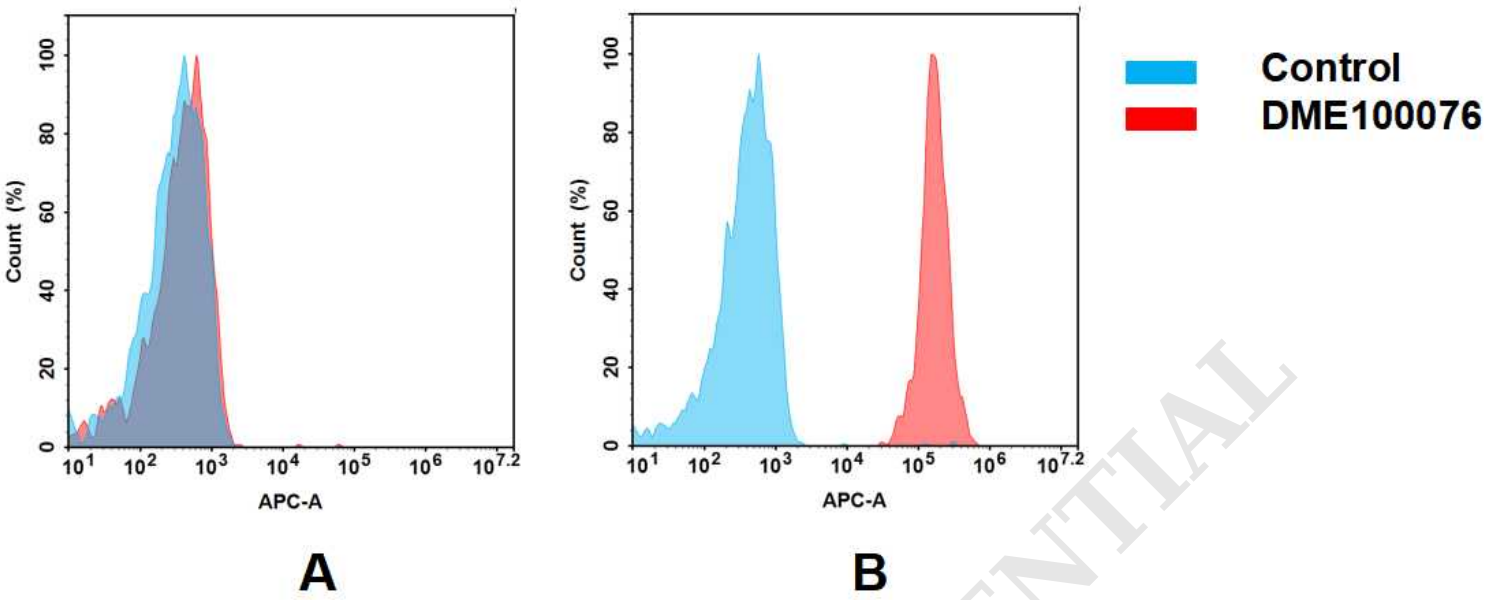

Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human Trop2 mAb(DME100076).

(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.

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