Cat. No. DME100138



PRODUCT INFORMATION

Clone ID DM138 5T4 **Target** 5T4 **Synonyms Host Species** Rabbit

Description Anti-5T4 antibody(DM138); Rabbit mAb

Delivery In Stock **Uniprot ID** Q13641 IgG type Rabbit IgG Clonality Monoclonal Reactivity Human

Applications ELISA; Flow Cyt

Recommended **Dilutions**

ELISA 1:5000-10000; Flow Cyt 1:100

Purified from cell culture supernatant by affinity **Purification**

chromatography

Formulation & Reconstitution

Background

DIMA Disclaimer

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.

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

Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

This gene encodes a leucine-rich transmembrane glycoprotein that may be involved in cell adhesion. The encoded protein is an oncofetal antigen that is specific to trophoblast cells. In adults this protein is highly expressed in many tumor cells and is associated with poor clinical

outcome in numerous cancers. Alternate splicing in the 5' UTR results in multiple transcript

variants that encode the same protein.

Usage Research use only

Conjugate Unconjugated

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

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actively scrutinizing all patent application to

ensure no IP infringement.



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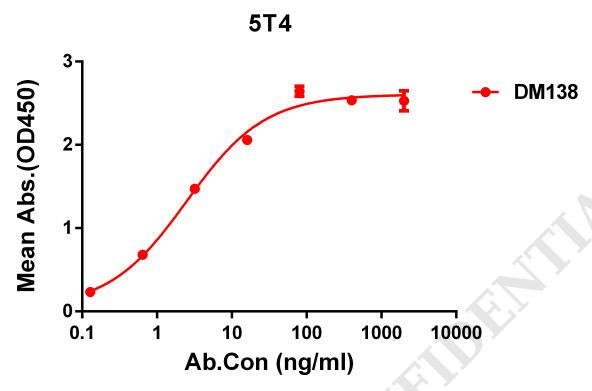


Figure 1. ELISA plate pre-coated by 1 μ g/ml (100 μ l/well) Human 5T4 protein, His tagged protein PME100123 can bind Rabbit anti-5T4 monoclonal antibody (clone: DM138) in a linear range of 0.1-16 ng/ml.

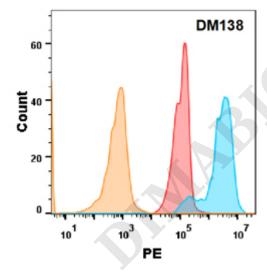


Figure 2. 5T4 protein is highly expressed on the surface of Expi293 cell membrane. Flow cytometry analysis with Anti-5T4 (DM138) on Expi293 cells transfected with human 5T4 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram), and Isotype antibody on Expi293 transfected with irrelevant protein (Orange histogram)

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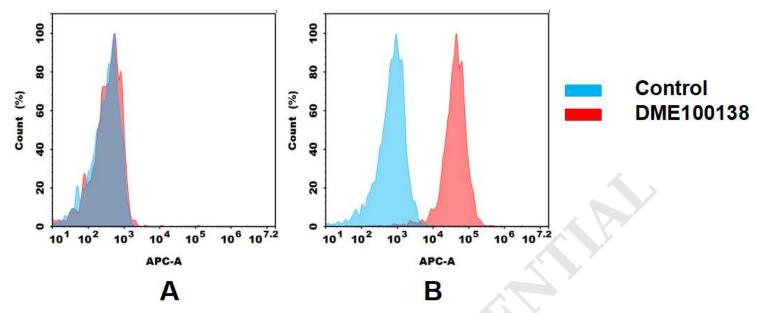


Figure 3. Flow cytometry analysis of antigen binding of anti-human 5T4 mAb(DME100138). (A)DME100138 does weakly bind to Jurkat cells that do not express 5T4. (B) A clear peak shift of DME100138 was seen compared to the control when incubated with 5T4-expressing MCF-7 cells, indicating strong binding of DME100138 to 5T4. Antibodies were incubated at $10 \, \mu g/mL$.

