

## **PRODUCT INFORMATION**

Warning: Undefined variable ShasAttributeValueDescription in C:\www.root\mirror.dimablo.com\wp-content\plugins\woocommerce-print-products\public\class-woocommerce-print-products-public.php on line 2806 bM73 Clone ID

MSLN; Mesothelin; MPF

Host Species Rabbit

Anti-mesothelin antibody(DM73); Rabbit mAb Description

Delivery In Stock Uniprot ID Q13421 IgG type Rabbit IgG

Clonality Monoclonal Reactivity Human Application ELISA; Flow Cyt; WB

Recommend Dilutions ELISA 1:5000-10000; Flow Cyt 1:100; WB 1:1000

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

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

This gene encodes a preproprotein that is proteolytically processed to generate two protein products; megakaryocyte potentiating factor and mesothelin. Megakaryocyte potentiating factor functions as a cytokine that can stimulate colony formation of bone marrow megakaryocytes. Mesothel is a glycosylphosphatidylinostoti-anchored cell-gurface protein that may function as a cell adhesion protein. This protein is overexpressed in epithelial mesotheliomas; ovarian cancers and in specific squamous cell carcinomas. Alternative splicing results in multiple transcript variants; at least one of which encodes an isoform that is proteolytically processed.

Research use only Background

Usage Coniugate

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. DIMA Disclaime

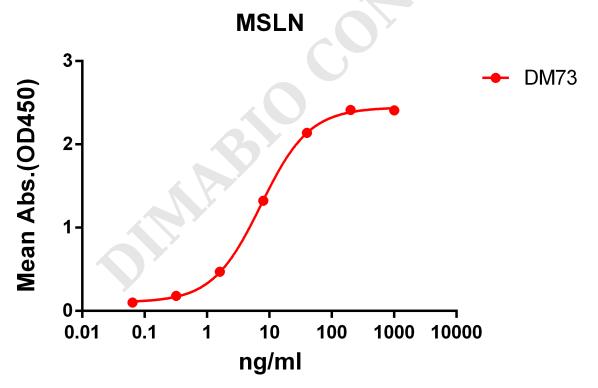


Figure 1. ELISA plate pre-coated by 2  $\mu$ g/ml (100  $\mu$ l/well) Human MSLN protein, mFc-His tagged protein PME100031 can bind Rabbit anti-MSLN monoclonal antibody ( clone: DM73) in a linear range of 1-100 ng/ml.

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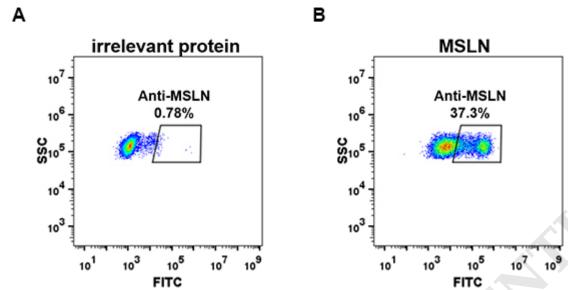


Figure 2. HEK293 cell line transfected with irrelevant protein (A) and human mesothelin (B) were surface stained with Rabbit anti-MSLN monoclonal antibody  $1\mu g/ml$  ( clone: DM73) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

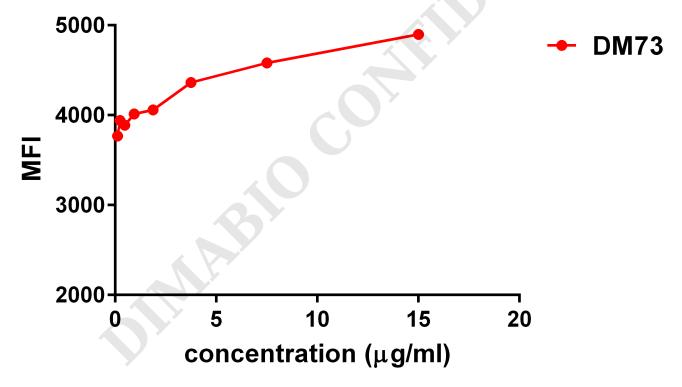


Figure 3. Flow cytometry data of serially titrated Rabbit anti-MSLN monoclonal antibody (clone: DM73) on Hela cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

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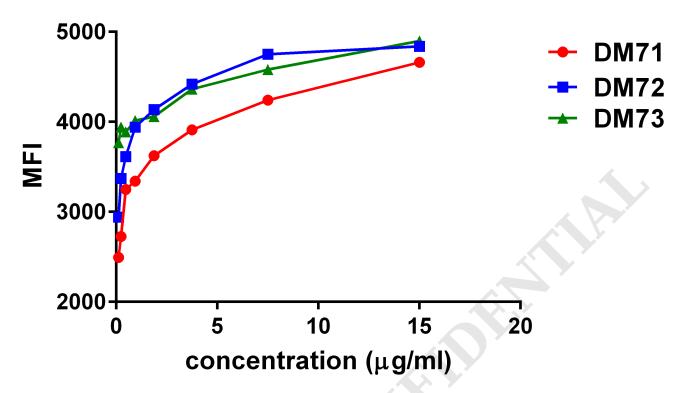


Figure 4. Affinity ranking of different Rabbit anti-MSLN mAb clones by titration of different concentration onto Hela cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

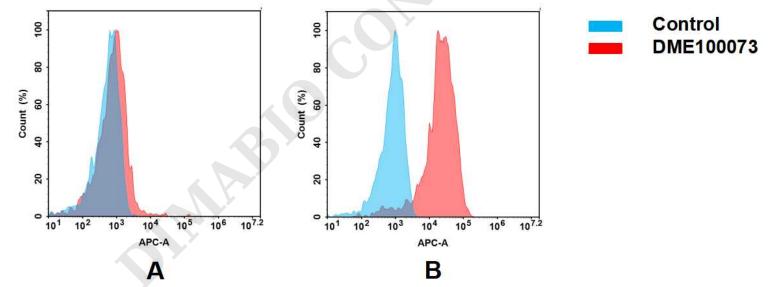


Figure 5. Flow cytometry analysis of antigen binding of rabbit anti-human Mesothelin mAb(DME100073).

(A) DME100073 does not bind to 293T cells that do not express Mesothelin. (B) A clear peak shift of DME100073 was seen compared to the control when incubated with Mesothelin-expressing Hela cells, indicating strong binding of DME100073 to Mesothelin. Antibodies were incubated at 2  $\mu$ g/mL.

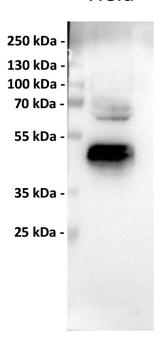
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Cat. No. DME100073



## Hela



## MSLN-DM73

Figure 6. Anti-MSLN antibody (SKU# DME100073) at 1/1000 dilution

Lane: HeLa (human cervical adenocarcinoma epithelial cell), whole cell lysate

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Secondary: Goat Anti-Rabbit IgG H&L (HRP) at 1/5000 dilution

Predicted band size: 69 kDa Observed band size: 50 kDa

