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# 12-9059: Anti-MSLN antibody(DM72), Rabbit mAb

| | |
|---|---|
| **Clonality :** | Monoclonal |
| **Clone Name :** | DM72 |
| **Application :** | ELISA,FACS |
| **Reactivity :** | Human |
| **Alternative Name :** | MSLN, Mesothelin, MPF |
| **Isotype :** | Rabbit IgG |
| **Immunogen Information :** | Recombinant humanÂ mesothelin (Glu296-Gly580) produced by using human HEK293 cells |

## Description

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. Mesothelin is a glycosylphosphatidylinositol-anchored cell-surface 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.

## Product Info

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|---|---|
| **Amount :** | 100 µg |
| **Purification :** | Purified from cell culture supernatant by affinity chromatography |
| **Content :** | Preservative: 0.1% Procline 300<br>Constituents: 50% Glycerol; PBS,pH 7.4; 0.1% BSA<br>Not Sterile |
| **Storage condition :** | Store at -20°C for 12 months (Avoid repeated freezing and thawing) |

## Application Note

Recommended Dilutions ELISA 1/5000-10000;FACS  1/100

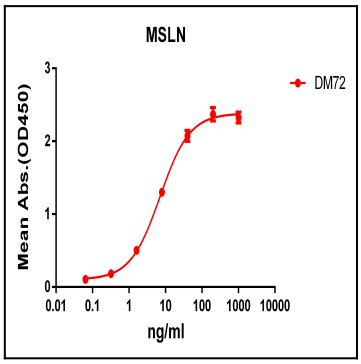



Figure 1. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human MSLN protein, mFc-His tagged protein can bind Rabbit anti-MSLN monoclonal antibody (clone: DM72) in a linear range of 1-100 ng/ml.

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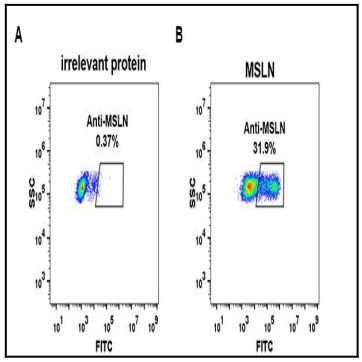



Figure 2. Expi 293 cell line transfected with irrelevant protein (A) and human mesothelin (B) were surface stained with Rabbit anti-MSLN monoclonal antibody 1µg/ml (clone: DM72) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

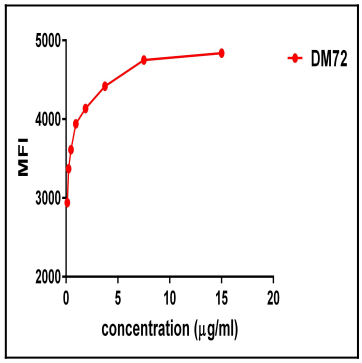



Figure 3. FACS data of serially titrated Rabbit anti-MSLN monoclonal antibody (clone: DM72) on Hela cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

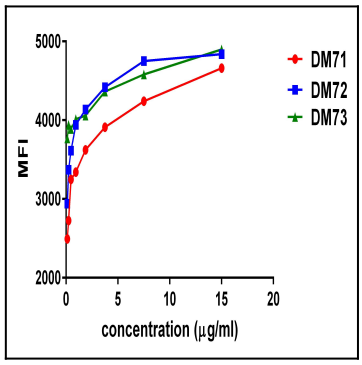



Figure 4. Affinity ranking of different Rabbit anti-MSLN mAb clones by titration of different concentration onto Hela cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

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