

For Research Use Only

# Mouse Mesothelin Recombinant antibody, PBS Only

Catalog Number: 85774-4-PBS



## Basic Information

<b>Catalog Number:</b> 85774-4-PBS	<b>GenBank Accession Number:</b> NM_018857.1	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 56047	<b>CloneNo.:</b> 243099D4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q61468	
<b>Isotype:</b> IgG	<b>Full Name:</b> mesothelin	
<b>Immunogen Catalog Number:</b> EG2864	<b>Calculated MW:</b> 69 kDa	
	<b>Observed MW:</b> 46 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
mouse

## Background Information

Mesothelin (MSLN) is a cell surface glycoprotein that was discovered in 1992 by Kai Chang, Ira Pastan, and Mark Willingham at the National Cancer Institute in Bethesda, MD. It is synthesized as a 69-kDa precursor protein, which is cleaved to form two proteins: a membrane-bound MSLN and a soluble megakaryocyte potentiating factor (MPF). MSLN is overexpressed in various tumor types, including mesothelioma, ovarian cancer, pancreatic adenocarcinoma, gastric cancer, and triple-negative breast cancer (TNBC). However, it is expressed at low levels in normal tissues, primarily on the mesothelial cells lining the pleura, pericardium, and peritoneum. (PMID: 37869242)

## Storage

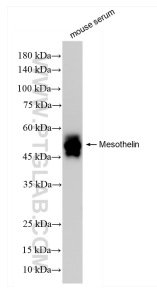
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



mouse serum were subjected to SDS PAGE followed by western blot with 85774-4-RR (Msln antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85774-4-PBS in a different storage buffer formulation.