

For Research Use Only

Anti-Human Mesothelin Rabbit Recombinant Antibody

Catalog Number: 98776-3-RR



Basic Information

Catalog Number:

98776-3-RR

Size:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_005823

GeneID (NCBI):

10232

UNIPROT ID:

Q13421

Full Name:

mesothelin

Calculated MW:

69KD

Purification Method:

Protein A purification

CloneNo.:

252795C4

Recommended Dilutions:

IHC: 1:500-1:2000

FC: 0.25 µg per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

IHC, FC

Species Specificity:

human

Positive Controls:

IHC: human ovary cancer tissue,

FC: HeLa cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Mesothelin (MSLN) is a 40-kDa GPI-anchored surface glycoprotein that is expressed on pleural and peritoneal mesothelial cells, but not in other non-neoplastic tissues. The mesothelin gene encodes a 69-71 kDa precursor protein that is processed to a 40-kDa membrane-bound protein termed mesothelin and a 31-kDa shed fragment called megakaryocyte-potentiating factor (MPF) that is released from the cell. Mesothelin is a tumor differentiation antigen present at low levels on a restricted set of normal adult tissues (e.g. mesothelium), and is expressed at high levels in mesotheliomas, as well as ovarian, pancreatic, and lung cancers. Mesothelin may be a new target for immunotherapy (PMID: 20922056, 18691948, 15217923).

Storage

Storage:

Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

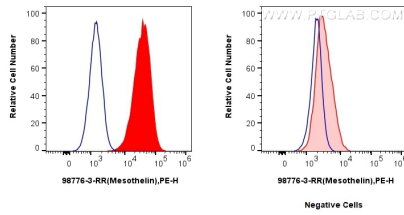
For technical support and original validation data for this product please contact:

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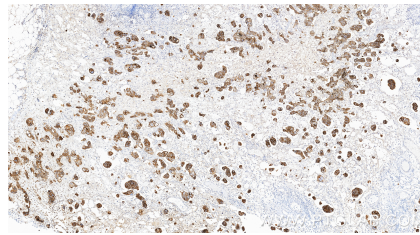
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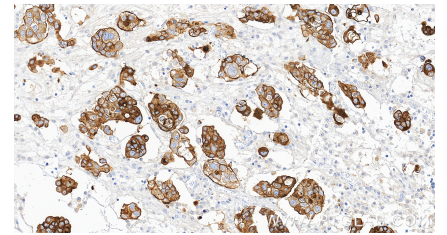
Selected Validation Data



1×10^6 HeLa cells (left) or PC-3 cells (right) were surface stained with 0.25 μ g Anti-Human Mesothelin Rabbit RecAb (98776-3-RR, Clone: 252795C4) (red) or 0.25 μ g Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 98776-3-RR (Mesothelin antibody) at dilution of 1:1000 (under 20 $\times$ lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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