

## Mesothelin Antibody (R31700)

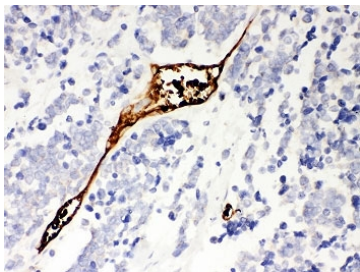
Catalog No.	Formulation	Size
R31700	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

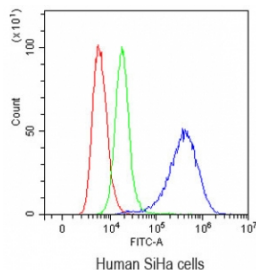
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
<b>Gene ID</b>	10232
<b>Localization</b>	Cytoplasmic, cell surface, secreted
<b>Applications</b>	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml Flow Cytometry : 1-3ug/10 <sup>6</sup> cells ELISA : 0.1-0.5ug/ml (human protein tested); request BSA free format for coating
<b>Limitations</b>	This Mesothelin antibody is available for research use only.



Western blot testing of Mesothelin antibody and recombinant human protein (0.5ng)



IHC-P: Mesothelin antibody testing of human lung cancer tissue. HIER: steamed with pH6 citrate buffer.



Flow cytometry testing of human SiHa cells with Mesothelin antibody at 1ug/10<sup>6</sup> cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue=Mesothelin antibody.

## Description

Mesothelin, also known as MSLN or MPF, is a protein that in humans is encoded by the MSLN gene. This gene is mapped to 16p13.3. This gene encodes a precursor protein that is cleaved into two products, Megakaryocyte potentiating factor and Mesothelin. Megakaryocyte potentiation factor functions as a cytokine that can stimulate colony formation in 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.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Mesothelin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Human partial recombinant protein (AA 306-576) was used as the immunogen for this Mesothelin antibody.

## Storage

After reconstitution, the Mesothelin antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.