

Mesothelin Antibody (R31700)

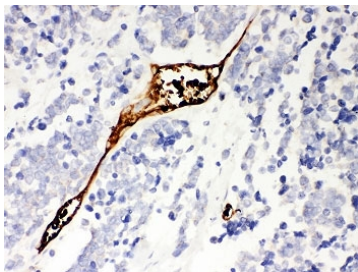
Catalog No.	Formulation	Size
R31700	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

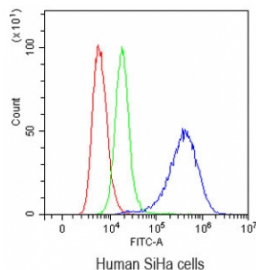
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	10232
Localization	Cytoplasmic, cell surface, secreted
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml Flow Cytometry : 1-3ug/10 ⁶ cells ELISA : 0.1-0.5ug/ml (human protein tested); request BSA free format for coating
Limitations	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/10⁶ 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.