

## Mesothelin Monoclonal Antibody

CAB9180

### Description

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This Mesothelin Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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**SKU:** CAB9180  
**Contents:** 20 µL, 100 µL  
Bradford Reagent: 1 vial (2ml)  
**Category:** Monoclonal Antibody  
**Synonyms:** MPF, SMRP, Mesothelin  
**Clone:** ARC1464  
**Applications:** **WB** | **ELISA** | **IF-P**  
**Conjugation:** Unconjugated  
**Reactivity:** Human, Rat

### Antibody Data

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**Gene ID:** 10232  
**Uniprot:** -  
**Host Species:** Rabbit  
**Purification:** Affinity purification  
**Observed MW:** 40-50kDa  
**Calculated MW:** 69kDa

## Preparation & Storage

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

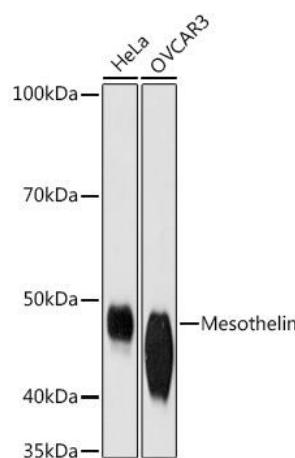
**Positive Sample:** HeLa, OVCAR3

**Recommended Dilutions:**

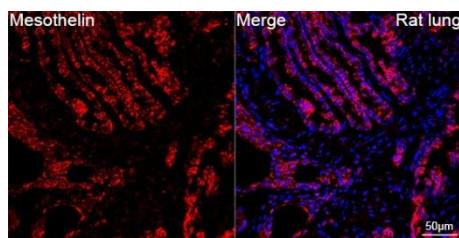
<b>WB</b>	1:1000 - 1:2000
<b>IF-P</b>	1:100 - 1:400
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

## Validation Data



Western blot analysis of various lysates using Mesothelin Rabbit mAb (CAB9180) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 90s.



Confocal imaging of paraffin-embedded Rat lung using Mesothelin Rabbit mAb (CAB9180, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, dilution 1:500)(Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citRate buffer (pH 6.0) prior to IF staining.