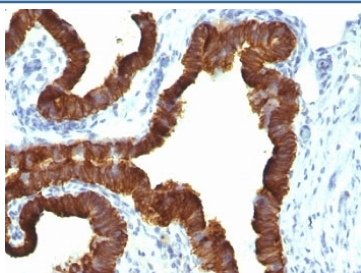


## Keratin 7 Antibody [clone KRT7/1198] (V2661)

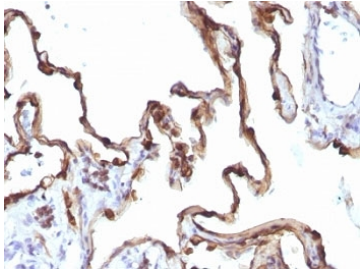
| Catalog No.    | Formulation                                                                                     | Size   |
|----------------|-------------------------------------------------------------------------------------------------|--------|
| V2661-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 100 ug |
| V2661-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 20 ug  |
| V2661SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                                                  | 100 ug |
| V2661IHC-7ML   | Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only* | 7 ml   |

[Bulk quote request](#)

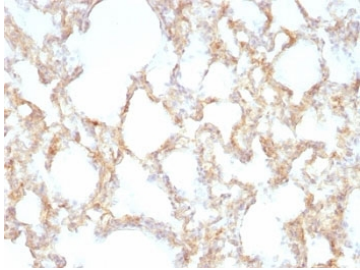
|                           |                                                                                                                                                |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                                                                                              |
| <b>Species Reactivity</b> | Human, Rat                                                                                                                                     |
| <b>Format</b>             | Purified                                                                                                                                       |
| <b>Clonality</b>          | Monoclonal (mouse origin)                                                                                                                      |
| <b>Isotype</b>            | Mouse IgG1, kappa                                                                                                                              |
| <b>Clone Name</b>         | KRT7/1198                                                                                                                                      |
| <b>Purity</b>             | Protein G affinity chromatography                                                                                                              |
| <b>UniProt</b>            | P08729                                                                                                                                         |
| <b>Localization</b>       | Cytoplasmic                                                                                                                                    |
| <b>Applications</b>       | Flow Cytometry : 0.5-1ug/10 <sup>6</sup> cells<br>Immunofluorescence : 0.5-1ug/ml<br>Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT |
| <b>Limitations</b>        | This Keratin 7 antibody is available for research use only.                                                                                    |



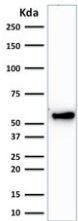
IHC: Formalin-fixed, paraffin-embedded human ovarian carcinoma stained with Keratin 7 antibody (KRT7/1198)



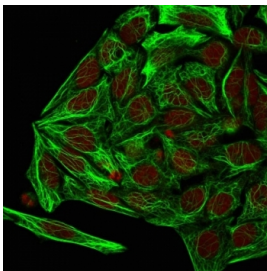
IHC: Formalin-fixed, paraffin-embedded human lung carcinoma stained with Keratin 7 antibody (KRT7/1198)



IHC: Formalin-fixed, paraffin-embedded rat lung stained with Keratin 7 antibody (KRT7/1198)



Western blot testing of human HeLa cell lysate with Keratin 7 antibody. Predicted molecular weight ~51 kDa.



Immunofluorescent staining of methanol fixed human HeLa cells with Keratin 7 antibody (clone KRT7/1198, green) and Reddot nuclear stain (red).

## Description

It recognizes an intermediate filament protein (IFP) of 55kDa, which is identified as cytokeratin 7. This mAb is highly specific to cytokeratin 7 and shows no cross-reaction with other IFPs. Cytokeratin 7 is a basic cytokeratin, which is found in most glandular and transitional epithelia but not in the stratified squamous epithelia. Keratin 7 is expressed in the epithelial cells of ovary, lung, and breast but not of colon, prostate, or gastrointestinal tract. This mAb is highly useful in distinguishing ovarian carcinomas (keratin 7+) from colon carcinomas (keratin 7-).

## Application Notes

Optimal dilution of the Keratin 7 antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Recombinant full-length human KRT7 protein was used as the immunogen for the Keratin 7 antibody.

## **Storage**

Store the Keratin 7 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).