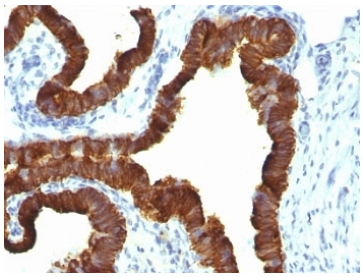
# Keratin 7 Antibody KRT7/1198 / Cytokeratin 7 Mouse MAb [clone KRT7/1198] (V2661)

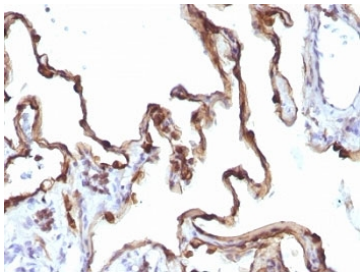
| Catalog No. | Formulation | Size |
|---|---|---|
| V2661-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V2661-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V2661SAF-100UG | 1 mg/ml in 1X PBS; BSA free,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

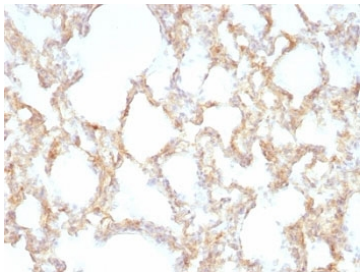
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Rat |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG1, kappa |
| **Clone Name** | KRT7/1198 |
| **Purity** | Protein G affinity chromatography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



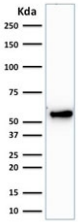
Keratin 7 Antibody KRT7/1198 IHC: Formalin-fixed, paraffin-embedded human ovarian carcinoma stained with Keratin 7 antibody (KRT7/1198)



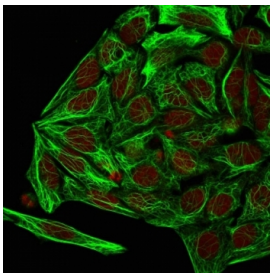
IHC: Formalin-fixed, paraffin-embedded human lung carcinoma stained with Keratin 7 antibody (KRT7/1198)



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




Keratin 7 Antibody KRT7/1198 WB Analysis. Western blot testing of human HeLa cell lysate with Keratin 7 antibody. Predicted molecular weight ~51 kDa.



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

## Description

Keratin 7 Antibody KRT7/1198 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-).

For an alternative antibody targeting the same protein, see our Cytokeratin 7 Antibody OV-TL12/30 (V2654), a mouse monoclonal antibody validated for WB, IHC, IF, and flow cytometry.

## Application Notes

Optimal dilution of the Keratin 7 Antibody KRT7/1198 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 KRT7/1198.

## Storage

Store the Keratin 7 Antibody KRT7/1198 at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

## Alternate Names

Keratin 7 antibody, CK7 antibody, CK-7 antibody, KRT7 antibody, Cytokeratin-7 antibody, Keratin Type II Cytoskeletal 7 antibody, Type II Cytokeratin 7 antibody, Cytokeratin 7/CK7 antibody, K7 antibody


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