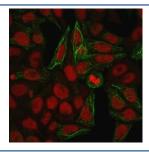


# Cytokeratin 7 Antibody [clone KRT7/903] (V2657)

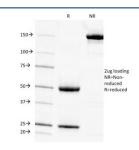
Catalog No.	Formulation	Size
V2657-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2657-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2657SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2657IHC-7ML	Prediluted 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**

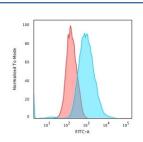
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	KRT7/903
Purity	Protein G affinity chromatography
UniProt	P08729
Localization	Cytoplasmic
Applications	Flow Cytometry: 1-2ug/10^6 cells Immunofluorescence: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This Cytokeratin 7 antibody is available for research use only.



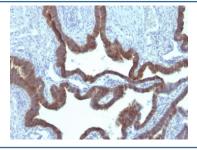
Immunofluorescent staining of methanol fixed human HeLa cells with Cytokeratin 7 antibody (clone KRT7/903, green) and Reddot nuclear stain (red).



SDS-PAGE analysis of purified, BSA-free Cytokeratin 7 antibody (clone KRT7/903) as confirmation of integrity and purity.



Flow cytometry testing of PFA-fixed human HeLa cells with Cytokeratin 7 antibody (clone KRT7/903); Red=isotype control, Blue= recombinant Cytokeratin 7 antibody.



IHC: Formalin-fixed, paraffin-embedded human ovarian carcinoma stained with Cytokeratin 7 antibody (clone KRT7/903).

### **Description**

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. Antibody to cytokeratin is useful in distinguishing ovarian carcinomas (keratin 7+) from colon carcinomas (keratin 7-).

#### **Application Notes**

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

- 1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris buffer with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 min
- 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 Cytokeratin 7 antibody.

#### **Storage**

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