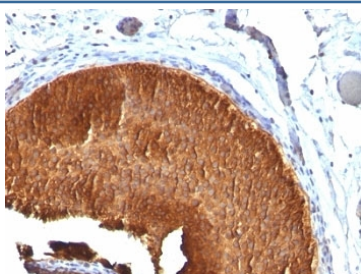


Cytokeratin 19 Antibody [clone KRT19/799] (V2678)

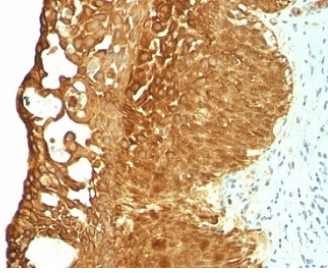
Catalog No.	Formulation	Size
V2678-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2678-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2678SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2678IHC-7ML	Prediluted 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](#)

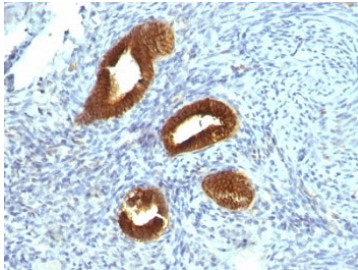
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, lambda
Clone Name	KRT19/799
Purity	Protein G affinity chromatography
UniProt	P08727
Localization	Cytoplasmic
Applications	Flow Cytometry : 1-2ug/10 ⁶ cells Immunofluorescence : 1-2ug/ml Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This Cytokeratin 19 antibody is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human bladder carcinoma stained with Cytokeratin 19 antibody (KRT19/799).



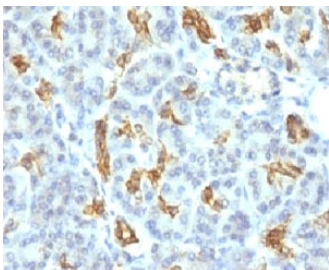
IHC: Formalin-fixed, paraffin-embedded human cervical carcinoma stained with Cytokeratin 19 antibody (KRT19/799).



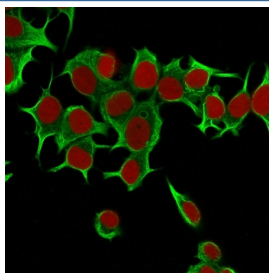
IHC: Formalin-fixed, paraffin-embedded human endometrial carcinoma stained with Cytokeratin 19 antibody (KRT19/799).



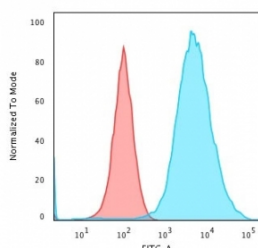
IHC: Formalin-fixed, paraffin-embedded human ovarian carcinoma stained with Cytokeratin 19 antibody (KRT19/799).



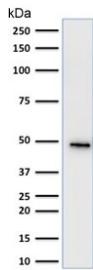
IHC: Formalin-fixed, paraffin-embedded human pancreas stained with Cytokeratin 19 antibody (KRT19/799).



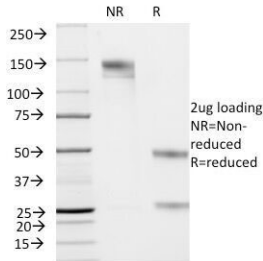
Immunofluorescent staining of permeabilized human MCF7 cells with Cytokeratin 19 antibody (clone KRT19/799, green) and Reddot nuclear stain (red).



Flow cytometry testing of methanol-fixed human MCF7 cells with Cytokeratin 19 antibody (clone KRT19/799); Red=isotype control, Blue= Cytokeratin 19 antibody.



Western blot testing of human HepG2 antibody with Cytokeratin 19 antibody (clone KRT19/799). Predicted molecular weight ~43 kDa.



SDS-PAGE analysis of purified, BSA-free Cytokeratin 19 antibody (clone KRT19/799) as confirmation of integrity and purity.

Description

Recognizes a protein of 40kDa, identified as cytokeratin-19 (CK19), which is expressed in sweat gland, mammary gland ductal and secretory cells, bile ducts, gastrointestinal tract, bladder urothelium, oral epithelia, esophagus, and ectocervical epithelium. Anti-CK19 reacts with a wide variety of epithelial malignancies including adenocarcinomas of the colon, stomach, pancreas, biliary tract, liver, and breast. Perhaps the most useful application is the identification of thyroid carcinoma of the papillary type, although 50%-60% of follicular carcinomas are also labeled. Anti-CK19 is a useful marker for detection of tumor cells in lymph nodes, peripheral blood, bone marrow and breast cancer.

Application Notes

Optimal dilution of the Cytokeratin 19 antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA 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 human KRT19 protein was used as the immunogen for the Cytokeratin 19 antibody.

Storage

Store the Cytokeratin 19 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

