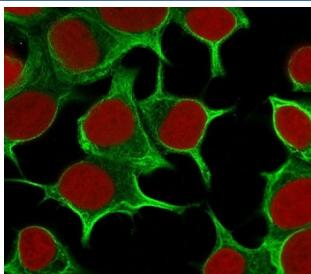


## Keratin 19 Antibody [clone CTKN19-1] (V7144)

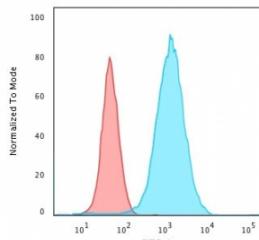
Catalog No.	Formulation	Size
V7144-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7144-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7144SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7144IHC-7ML	Prediluted 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](#)

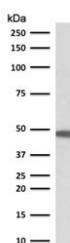
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2a, kappa
<b>Clone Name</b>	CTKN19-1
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P08727
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Western Blot : 1-2ug/ml Flow Cytometry : 1-2ug/10 <sup>6</sup> cells Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Prediluted IHC Only Format : incubate for 30 min at RT (1)
<b>Limitations</b>	This Keratin 19 antibody is available for research use only.



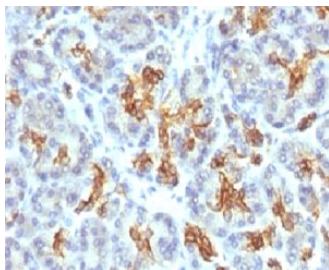
Immunofluorescent staining of permeabilized human MCF7 cells with Cytokeratin 19 antibody (clone CTKN19-1, green) and Reddot nuclear stain (red).



Flow cytometry testing of methanol-fixed human MCF7 cells with Cytokeratin 19 antibody (clone CTKN19-1); Red=isotype control, Blue= Cytokeratin 19 antibody.



Western blot testing of human HepG2 antibody with Cytokeratin 19 antibody (clone CTKN19-1). Predicted molecular weight ~43 kDa.



IHC testing of FFPE human pancreas and Keratin 19 antibody (clone CTKN19-1). FFPE testing requires sections to be boiled in pH 9 10mM Tris with 1mM EDTA for 10-20 minutes, followed by cooling at RT for 20 minutes, prior to staining.



IHC testing of FFPE human ovarian carcinoma and Keratin 19 antibody (clone CTKN19-1). FFPE testing requires sections to be boiled in pH 9 10mM Tris with 1mM EDTA for 10-20 minutes, followed by cooling at RT for 20 minutes, prior to staining.

## Description

Cytokeratin 19 is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Cytokeratin 19 is a type I keratin. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically found in the periderm, the transiently superficial layer that envelops the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21. [Wiki]

## Application Notes

Titering of the Keratin 19 antibody may be required for optimal performance.

1. 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 Keratin 19 antibody.

## Storage

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