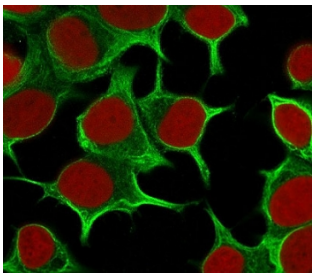
# Keratin 19 Antibody CTKN19-1 / Mouse Monoclonal [clone CTKN19-1] (V7144)

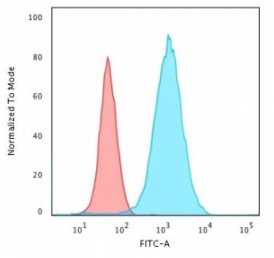
| Catalog No. | Formulation | Size |
|---|---|---|
| V7144-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V7144-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V7144SAF-100UG | 1 mg/ml in 1X PBS; BSA free,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

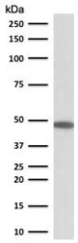
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG2a, kappa |
| **Clone Name** | CTKN19-1 |
| **Purity** | Protein G affinity chromatography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



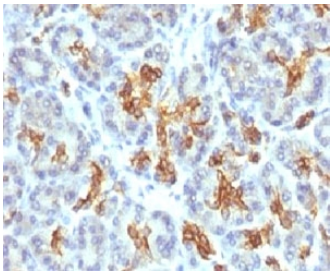
Immunofluorescent staining of permeabilized human MCF7 cells with Cytokeratin 19 antibody (clone CTKN19-1, green) and Reddot nuclear stain (red).




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]

For additional KRT19 detection options, see our anchor Cytokeratin 19 Antibody KRT19/799 | CK19 | V2678.

## Application Notes

Titering of the Keratin 19 Antibody CTKN19-1 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).


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