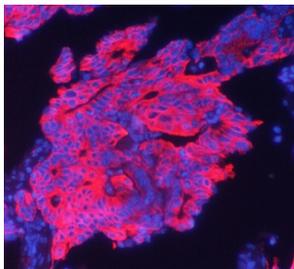


## Cytokeratin 19 Antibody [clone 3D4] (RQ4521)

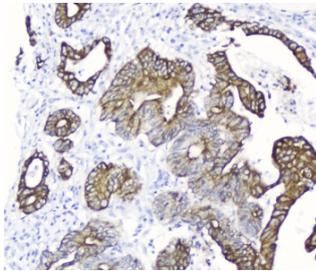
Catalog No.	Formulation	Size
RQ4521	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

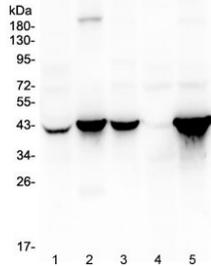
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	Mouse IgG1
<b>Clone Name</b>	3D4
<b>Purity</b>	Protein G affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	P08727
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
<b>Limitations</b>	This Cytokeratin 19 antibody is available for research use only.



Immunofluorescent staining of human intestinal cancer with Cytokeratin 19 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC testing of FFPE human intestinal cancer with Cytokeratin 19 antibody at 1 ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



Western blot testing of human 1) HeLa, 2) placenta, 3) SK-OV-3, 4) COLO-320 and 5) SW620 lysate with Cytokeratin 19 antibody at 0.5ug/ml. Predicted molecular weight ~43 kDa.

## Description

Keratin, type I cytoskeletal 19 is a protein that in humans is encoded by the KRT19 gene. The protein encoded by this gene is a member of the keratin family. It is specifically expressed 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. Due to its high sensitivity, KRT19 is the most used marker for the RT-PCR-mediated detection of tumor cells disseminated in lymph nodes, peripheral blood, and bone marrow of breast cancer patients. Keratin 19 is often used together with keratin 8 and keratin 18 to differentiate cells of epithelial origin from hematopoietic cells in tests that enumerate circulating tumor cells in blood.

## Application Notes

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

## Immunogen

Amino acids QLAHIQALISGIEAQLGDVRADSERQNQEYQRLMDIKSR were used as the immunogen for the Cytokeratin 19 antibody.

## Storage

After reconstitution, the Cytokeratin 19 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.