BT LAB
Bioassay Technology Laboratory
Optimize Your Research

KRT19 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2589
Host	Mouse
Isotype	Mouse IgG1
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of human KRT19 expressed in E. Coli.
Mol wt	41kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB,IHC,ICC
Concentration	N/A
Full name	N/A
Synonyms	K19;CK19;K1CS;MGC15366

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by this gene 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. 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 expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21.

Recommended Dilution

WB: 1:500 - 1:2000

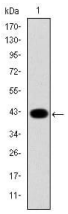
IHC-p: 1:200 - 1:1000

ICC: 1:200 - 1:1000

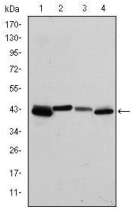
ELISA: 1:10000

Not yet tested in other applications.

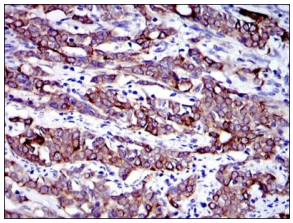
Images



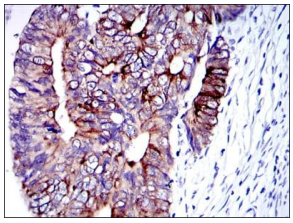
Western blot analysis using KRT19 mAb against human KRT19 (AA: 115-269) recombinant protein. (Expected MW is 43.1 kDa)



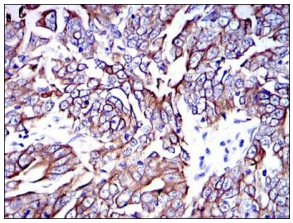
Western blot analysis using KRT19 mouse mAb against T47D (1), MCF-7 (2), HepG2 (3) and SW620 (4) cell lysate.



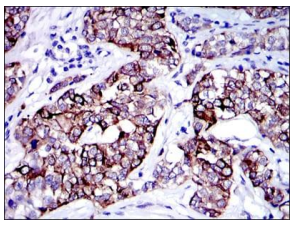
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using KRT19 mouse mAb with DAB staining.



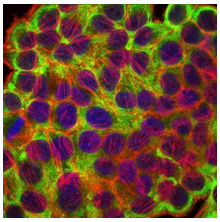
Immunohistochemical analysis of paraffin-embedded human colon cancer tissues using KRT19 mouse mAb with DAB staining.



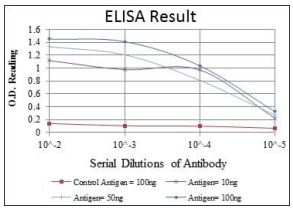
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissues using KRT19 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human bladder cancer tissues using KRT19 mouse mAb with DAB staining.



Immunofluorescence analysis of HepG2 cells using KRT19 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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