

## KRT10 monoclonal antibody

Catalog: MB23054

Host: Mouse

Reactivity: Human

### BackGround:

This gene encodes a member of the type I (acidic) cytokeratin family, which belongs to the superfamily of intermediate filament (IF) proteins. Keratins are heteropolymeric structural proteins which form the intermediate filament. These filaments, along with actin microfilaments and microtubules, compose the cytoskeleton of epithelial cells. Mutations in this gene are associated with epidermolytic hyperkeratosis. This gene is located within a cluster of keratin family members on chromosome 17q21.

### Product:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

58.8kDa

### Swiss-Prot:

P13645

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 IF:1/200 - 1/1000  
FC:1/200 - 1/400

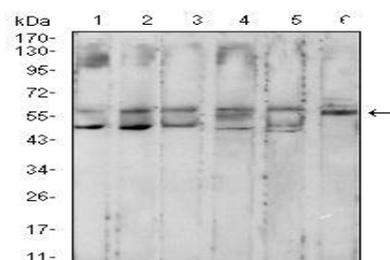
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

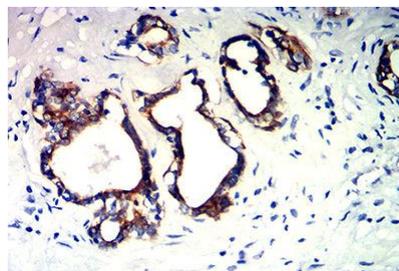
### Isotype:

Mouse IgG1

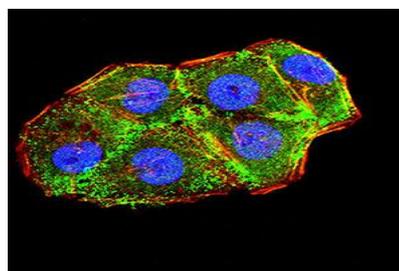
### DATA:



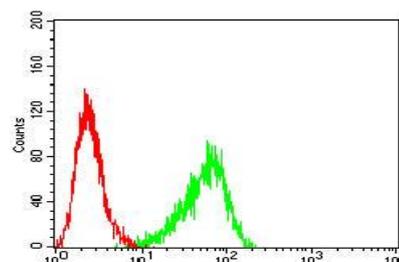
Western blot analysis using KRT10 mouse mAb against MCF-7 (1), HeLa (2), HepG2 (3), T47D (4), HT-29 (5), and A549 (6) cell lysate.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissues using KRT10 mouse mAb with DAB staining.



Immunofluorescence analysis of HeLa cells using KRT10 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



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## PRODUCT DATA SHEET

Bioworld Technology, Inc.

Flow cytometric analysis of A431 cells using KRT10 mouse mAb (green) and negative control (red).

**Note:**

For research use only, not for use in diagnostic procedure.

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