

## CK5 monoclonal antibody

Catalog: MB22047

Host: Mouse

Reactivity: Human, Mouse, Monkey

### Background:

The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the basal layer of the epidermis with family member KRT14. Mutations in these genes have been associated with a complex of diseases termed epidermolysis bullosa simplex. The type II cytokeratins are clustered in a region of chromosome 12q12-q13.

### Product:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

62.4kDa

### Swiss-Prot:

P13647

### 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

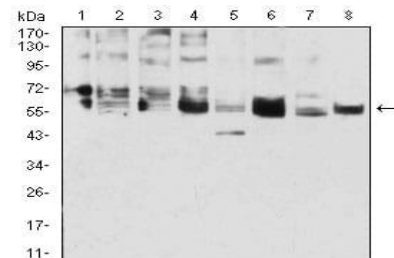
### Storage&Stability:

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

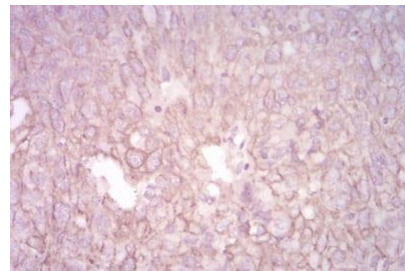
### Isotype:

Mouse IgG1

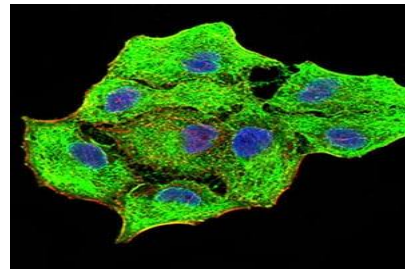
### DATA:



Western blot analysis using CK5 mouse mAb against A431 (1), 3T3-L1 (2), COS7 (3), MCF-7 (4), SK-BR-3 (5), HeLa (6), Lncap (7), and HepG2 (8) cell lysate.



Immunohistochemical analysis of paraffin-embedded human ovarian cancer tissues using CK5 mouse mAb with DAB staining.



Immunofluorescence analysis of MCF-7 cells using CK5 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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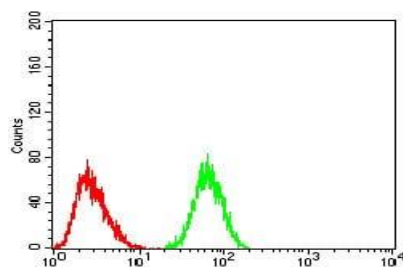
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Flow cytometric analysis of HeLa cells using CK5 mouse mAb (green) and negative control (red).

**Note:**

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

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