

## CK7 monoclonal antibody

Catalog: MB21305

Host: Mouse

Reactivity: Human

### BackGround:

CK7 (Keratin, type II cytoskeletal 7) is a protein that in humans is encoded by the KRT7 gene. CK7 is a member of the keratin family. It is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels. 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 simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels. The genes encoding the type II cytokeratins are clustered in a region of chromosome 12q12-q13. Alternative splicing may result in several transcript variants; however, not all variants have been fully described.

### Product:

Ascitic fluid containing 0.03% sodium azide.

### Molecular Weight:

51kDa

### Swiss-Prot:

P08729

### 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    FC:1/200 - 1/400

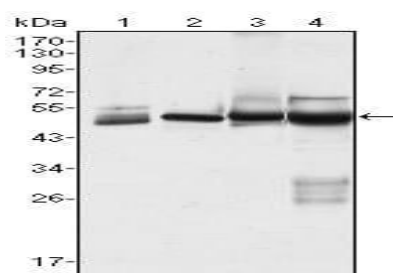
### Storage&Stability:

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

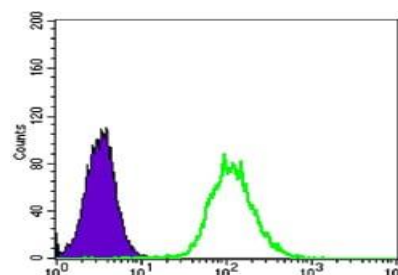
### Isotype:

Mouse IgG1

### DATA:



Western blot analysis using CK7 mouse mAb against HeLa (1), MCF-7 (2), A431 (3) and A549 (4) cell lysate.



Flow cytometric analysis of HeLa cells using anti-CK7 mAb (green) and negative control (purple).

### Note:

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

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