

## Cytokeratin 5 monoclonal antibody

Catalog: MB21120

Host: Mouse

Reactivity: Human

### BackGround:

CK5 (keratin 5) is a member of the keratin gene family. Biochemically, most members of the CK family fall into one of two classes, type I (acidic polypeptides) and type II (basic polypeptides). 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. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. At least one member of the acidic family and one member of the basic family is expressed in all epithelial cells. Cytokeratin 5 is expressed in normal basal cells. Mutations of the Cytokeratin5 gene (KRT5) have been shown to result in the autosomal dominant disorder epidermolysis bullosa (EB). Defects in KRT5 are a cause of epidermolysis bullosa simplex.

### Product:

Ascitic fluid containing 0.03% sodium azide.

### Molecular Weight:

### 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:

IHC:1/200 - 1/1000

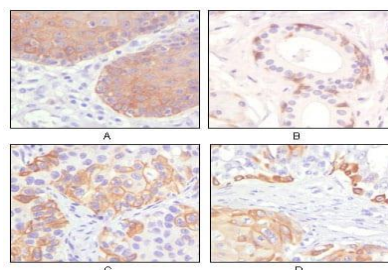
### Storage&Stability:

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

### Isotype:

Mouse IgG1

### DATA:



Immunohistochemical analysis of paraffin-embedded human esophagus epithelium (A), salivary gland basal cell (B), lung squamous cell carcinoma (C), endometrium admosquamous carcinoma (D), showing cytoplasmic and membrane localization using CK5 mouse mAb with DAB staining.

### Note:

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

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