

## Cytokeratin 18 monoclonal antibody

Catalog: MB66811

Host: Mouse

Reactivity: Human

### BackGround:

Cytokeratins comprise a diverse group of intermediate filament proteins (IFPs) that are expressed as pairs in both keratinized and non-keratinized epithelial tissue. Cytokeratins play a critical role in differentiation and tissue specialization and maintain the overall structural integrity of epithelial cells. Cytokeratins are useful markers of tissue differentiation which is directly applicable to the characterization of malignant tumors. Cytokeratin polypeptides are designated 1 to 20 and are divided into the type I and type II subgroups. The type II family members comprise the basic to neutral cytokeratins 1-8, while the type I group comprises the acidic cytokeratins 9-20. Cytokeratin 5 is expressed in normal basal cells. Mutations of the cytokeratin 5 gene (KRT5) have been shown to result in the autosomal dominant disorder epidermolysis bullosa (EB). Cytokeratin 6 is expressed in suprabasal keratinocytes of wounded epidermis and in acrosyringal keratinocytes in normal skin. Cytokeratin 18 is one of the first keratins expressed in the embryo, and persists into adult tissues. It is a major component of all simple epithelia (but not of stratified squamous epithelia) and adenocarcinomas.

### Product:

Mouse IgG3. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

### Molecular Weight:

~ 50kDa

### Swiss-Prot:

P05783

### Purification&Purity:

This antibody is purified through a protein G column.

### Applications:

WB (1/500 - 1/1000)

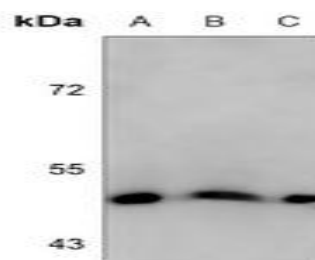
### Storage&Stability:

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

### Specificity:

Recognizes endogenous levels of Cytokeratin 18 protein.

### DATA:



Western blot analysis of Cytokeratin 18 expression in HepG2 (A), K562 (B), NCIH460 (C) whole cell lysates.

### Note:

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

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