Product Information Sheet

Monoclonal Anti-Cytokeratin Peptide 18

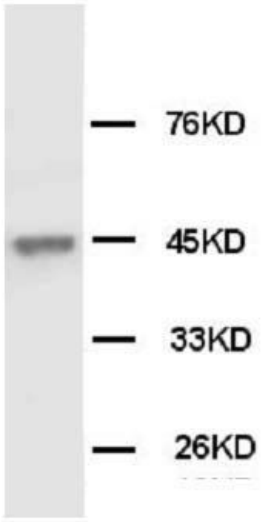
Catalogue No. MA1026

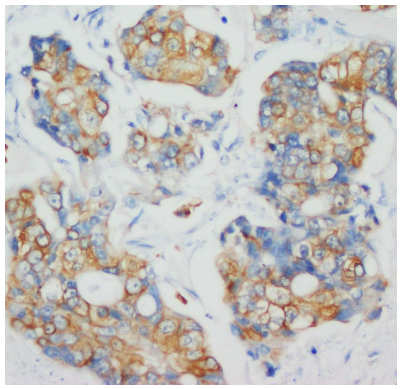
Lot No. 08A12

Clone: CK-18

Ig type: mouse IgG1

Size: 100µg/vial





Specificity

Human, rat.

No cross reactivity with other proteins.

Recommended application

Western blot

Immunohistochemistry(P)

Immunohistochemistry(F)

Immunogen

The human epidermal carcinoma A-431 and MCF-7 human breast cancer cell lines.

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Application

Western blot

At 0.5-1µg/ml with the appropriate system to detect cytokeratin peptide 18 in cells and tissues.

Immunohistochemistry(P)

At 1-2µg/ml to detect cytokeratin peptide 18 in formalin fixed and paraffin embedded tissues.

Immunohistochemistry(F)

At 0.5-2µg/ml to detect cytokeratin peptide 18 in formalin or acetone fixed tissues.

Other applications have not been tested.

Optimal dilutions should be determined by end user.

To reorder contact us at:

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Formulation

Lyophilized from 1.2% sodium acetate, with 2mg BSA and 0.01mg NaN_3 as preservative.

Reconstitution

1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100μg/ml.

Storage

At -20˚C for one year. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for longer time.

BACKGROUND

Intermediate filaments (IFs) are a structurally related family of cellular proteins that appear to be intimately involved with the cytoskeleton. Human keratin 18(KRT18) and the homologous mouse Endo B are type I IF protein subunits whose expression is restricted in adults to a variety of simple epithelial tissues. The KRT18 gene is 3,791 bp long and the keratin 18 protein is coded for by 7 exons. The K18 gene is 3791 bp in length and the K18 protein is coded for by seven exons. By Southern blotting using the genomic DNA PCR product, the gene for keratin 18 is assigned to chromosome 12. Mutation of human keratin 18 in association with cryptogenic cirrhosis

REFERENCE

1 Ku, N.-O.; Wright, T. L.; Terrault, N. A.; Gish, R.; Omary, M. B. : Mutation of human keratin 18 in association with cryptogenic cirrhosis. J. Clin. Invest. 99: 19-23, 1997.

2 Ku, N.-O.; Wright, T. L.; Terrault, N. A.; Gish, R.; Omary, M. B. : Mutation of human keratin 18 in association with cryptogenic cirrhosis. J. Clin. Invest. *99: 19-23, 1997.*

3. Waseem, A.; Gough, A. C.; Spurr, N. K.; Lane, E. B. : Localization of the gene for human simple epithelial keratin 18 to chromosome 12 using polymerase chain reaction. Genomics 7: 188-194, 1990.