



Product Information Sheet

Monoclonal Anti-Cytokeratin Peptide 18 - conjugated to Magnetic Beads

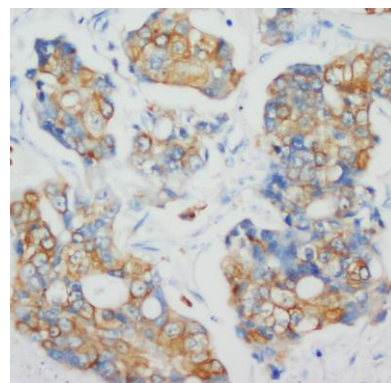
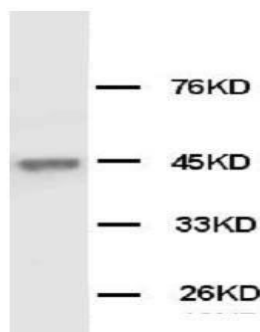
Catalogue No. MA1026-M

Lot No. 08A12

Clone: CK-18

Ig type: mouse IgG1

Size: 200µl



Specificity

Human, rat.

No cross reactivity with other proteins.

Immunogen

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

Formulation

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN_3 .

Recommended application

Immunoprecipitation (IP)

Storage

Store at 4°C for frequent use.

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

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.

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