



Product Information Sheet

Monoclonal Anti-Cytokeratin Peptide 18 (Sephadex Bead Conjugate)

Catalogue No. MA1026-S

Lot No. 08A12

Clone: CK-18

Ig type: mouse IgG1

Size: 200µl

Specificity

Human, rat.

No cross reactivity with other proteins.

Recommended application

Immunoprecipitation(IP)

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.

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN₃ preservative.

Storage

Store at 4°C for frequent use.

Description:

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sephadex beads. It is useful for immunoprecipitation assays

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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