Product Information Sheet

Monoclonal Anti-Cytokeratin Peptide 7 - conjugated to Magnetic Beads

Catalogue No. MA1024-M

Lot No. 08A12

Clone: CK-7

Ig type: mouse IgG1

Size: 200µl

Specificity

Human

No cross reactivity with other proteins.

Recommended application

Immunoprecipitation(IP)

Immunogen

Cytoskeletal preparation of the RT4human bladder carcinoma cell line.

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Formulation

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

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.

BACKGROUND

KRT7 is a type II keratin of simple nonkeratinizing epithelia. The deduced 489-amino acid protein has a calculated molecular mass of about 54 kD. K7 contains 4 central alpha-helical segments with heptad repeats of hydrophobic residues characteristic of a coiled-coil region. Within this domain, K7 shares 73% homology with epidermal K6B. KRT7 gene contains 9 exons and spans more than 15.6 kb. K7 gene is mapped to chromosome 12. Keratin 7 is expressed in a wide range of epithelial structures in humans.

REFERENCE

1. Rosenberg, M.; Fuchs, E.; Le Beau, M. M.; Eddy, R. L.; Shows, T. B. : Three epidermal and one simple epithelial type II keratin genes map to human chromosome 12. *Cytogenet. Cell Genet.* 57: 33-38, 1991.

2. Smith, F. J. D.; Porter, R. M.; Corden, L. D.; Lunny, D. P.; Lane, E. B.; McLean, W. H. I. : Cloning of human, murine, and marsupial keratin 7 and a survey of K7 expression in the mouse. *Biochem. Biophys. Res. Commun.* 297: 818-827, 2002.

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