



Product Information Sheet

Monoclonal Anti-CDC25C (Sephacrose Bead Conjugate)

Catalogue No. MA1018-S

Immunogen

Recombinant human Cdc25c.

Lot No. 08A12

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Clone: IMD-25

Formulation

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

Ig type: mouse IgG1

Size: 200µl

Storage

Store at 4°C for frequent use.

Specificity

Human.

No cross reactivity with other proteins.

Description:

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

Recommended application

Immunoprecipitation(IP)

BACKGROUND

Cell division cycle(CDC25) gene product is a protein-tyrosine phosphatase, activates a partially purified p34(cdc2)/cyclin B complex. The cdc25 protein also shares homology with a protein phosphatase with activity against both tyrosine and serine (and thus probably threonine) phosphate residues. CDC25C is expressed predominantly in G2 phase in healer cells. The human gene encodes a protein with a predicted molecular mass of 53,000 daltons whose C-terminal domain shares about 37% sequence identity with the fission yeast cdc25 mitotic inducer. CDC25C gene is mapped to 5q31.

REFERENCE

1. Sartor, H.; Ehler, F.; Grzeschik, K.-H.; Muller, R.; Adolph, S. : Assignment of two human cell cycle genes, CDC25C and CCNB1, to 5q31 and 5q12, respectively. *Genomics* 13: 911-912, 1992.
2. Taviaux, S. A.; Demaille, J. G. : Localization of human cell cycle regulatory genes CDC25C to 5q31 and WEE1 to 11p15.3-11p.15.1 by fluorescence in situ hybridization. *Genomics* 15: 194-196, 1993.

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