Product Information Sheet

Monoclonal Anti-CDC25C

Catalogue No. MA1018

Lot No. 08A12

Clone: IMD-25

Ig type: mouse IgG1

Size: 100µg/vial

Specificity

Human.

No cross reactivity with other proteins.

Recommended application

Western blot

To reorder contact us at:

Antagene, Inc.

Toll Free: 1(866)964-2589

email: Info@antageneinc.com

Immunogen

Recombinant human Cdc25c.

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Application

Western blot

At 1-2µg/ml with the appropriate system to detect cdc25c in cells and tissues.

Other applications have not been tested.

Optimal dilutions should be determined by end user.

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

Cell division sycle(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.; Ehlert, 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.