

## Mouse anti-Human CDC2 Monoclonal Antibody | anti-CDC2 antibody

CDC2 (Cell Division Control Protein 2 Homolog, CDC28A, Cell Division Protein Kinase 1, Cyclin-dependent Kinase 1, CDK1, p34 Protein Kinase, P34CDC2) (PE)

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                                                  |
|-----------|-------|------------|---------------------------------------------------------------|
| AAA25639  | Mouse | Human      | ELISA, Immunofluorescence, Immunohistochemistry, Western Blot |

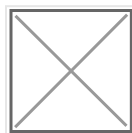
### PRODUCT SYNONYMS

CDC2; Monoclonal Antibody; CDC2 (Cell Division Control Protein 2 Homolog; CDC28A; Cell Division Protein Kinase 1; Cyclin-dependent Kinase 1; CDK1; p34 Protein Kinase; P34CDC2) (PE); anti-CDC2 antibody

### PRODUCT SPECIFICATIONS

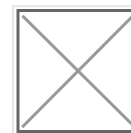
|                                                |                                                                                                                                                      |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                |
| Reactivity                                     | Human                                                                                                                                                |
| Clonality                                      | Monoclonal                                                                                                                                           |
| Isotype                                        | IgG1,k                                                                                                                                               |
| Clone Number                                   | 1A4-1A9                                                                                                                                              |
| Specificity                                    | Recognizes human CDC2.                                                                                                                               |
| Purity/Purification                            | Purified by Protein A Affinity Chromatography.                                                                                                       |
| Form/Format                                    | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).                                                       |
| Sequence Length                                | 1119                                                                                                                                                 |
| Applicable Applications for anti-CDC2 antibody | ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                        |
| Application Notes                              | IF: 10ug/ml<br>Applications are based on unconjugated antibody.                                                                                      |
| Immunogen                                      | Full length recombinant corresponding to aa1-297 from human CDC2 (AAH14563) with GST tag. MW of the GST tag alone is 26kD.                           |
| Immunogen Sequence                             | MEDYTKIEKIGEGTYGVVYKGRHKTTGQVVAMKKIRLESEEEGVPSTAIREISLLKELRHPNIVSLQDVLMDQSRLLYLIFEFLSMDLKKYLD SIPPGQYMDSS                                            |
| Conjugate                                      | PE                                                                                                                                                   |
| Preparation and Storage                        | Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo |

### IMAGES



**WB (Western Blot)**

CDC2 monoclonal antibody, Western Blot analysis of CDC2 expression in Hela.



**Application Data**

Detection limit for recombinant GST tagged CDC2 is ~30ng/ml as a capture antibody.

**IF (Immunofluorescence)**

Immunofluorescence of monoclonal antibody to CDC2 on HeLa cell. [antibody concentration 10ug/ml].

**IHC (Immunohistochemistry)**

Immunoperoxidase of monoclonal antibody to CDC2 on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 0.3ug/ml].

**WB (Western Blot)**

Western Blot analysis of CDC2 expression in transfected 293T cell line by CDC2 monoclonal antibody. Lane 1: CDC2 transfected lysate (34.1kD). Lane 2: Non-transfected lysate.

**WB (Western Blot)**

Western Blot detection against Immunogen (58.41kD).

## ADDITIONAL INFORMATION

Product Categories/Family for anti-CDC2 antibody

[Antibodies](#); [Protein Kinases](#)

## NCBI AND UNIPROT INFORMATION

|                                  |                                                               |
|----------------------------------|---------------------------------------------------------------|
| NCBI GI #                        | <a href="#">15778966</a>                                      |
| NCBI GeneID                      | <a href="#">983</a>                                           |
| NCBI Official Full Name          | Homo sapiens cell division cycle 2, G1 to S and G2 to M, mRNA |
| NCBI Official Synonym Full Names | cyclin dependent kinase 1                                     |
| NCBI Official Symbol             | CDK1                                                          |
| NCBI Official Synonym Symbols    | CDC2; CDC28A; P34CDC2                                         |
| NCBI Protein Information         | cyclin-dependent kinase 1                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cdc2-antibody-clone-1a4-1a9-immunofluorescence-immunohistochemistry-western-blot-elisa/25639>