

## Product datasheet for **AM05219PU-N**

### CDC25A Mouse Monoclonal Antibody [Clone ID: DCS-121]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	DCS-121
Applications:	IP, WB
Recommended Dilution:	Western Blot. Immunoprecipitation (1-10 ug/ml).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Purified recombinant CDC25A protein.
Formulation:	PBS containing 0.08% Sodium Azide as preservative. State: Purified State: Liquid (sterile filtered) purified IgG fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	cell division cycle 25A
Database Link:	<a href="#">Entrez Gene 993 Human P30304</a>
Background:	CDC25A recognizes a 65kD protein In the cell cycle of eukaryotes the M phase is initiated by maturation promoting factor (MPF), a protein kinase complex consisting of p34 cdc2, cyclin B, and p13. The activity of this complex is controlled by multiple levels of phosphorylation and dephosphorylation of the catalytic p34cdc2 component. CDC25A and CDC25B are p34cdc2 tyrosine phosphates. Dephosphorylation of p34cdc2 by these CDC25 proteins activates the MPF complex, initiating mitosis. Although expressed throughout the cell cycle, peak expression of CDC25A is in G1 of the cell cycle.

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Synonyms: CDC-25A