



## Anti-h-CDC25A

**Product:** Anti-human CDC 25A monoclonal antibody.

**Description:** The immunogen for the anti CDC25A was a purified recombinant CDC25A protein recognizing 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<sup>cdc2</sup>, cyclin B, and p13. The activity of this complex is controlled by multiple levels of phosphorylation and dephosphorylation of the catalytic p34<sup>cdc2</sup> component. CDC25A and CDC25B are p34<sup>cdc2</sup> tyrosine phosphatases. Dephosphorylation of p34<sup>cdc2</sup> by these CDC25 proteins activates the MPF complex, initiating mitosis. Although expressed throughout the cell cycle, peak expression of CDC25A is in G<sub>1</sub> of the cell cycle.

**Isotype:** Mouse IgG2a

**Clone:** DCS121

**Application:** Western Blot, Immunoprecipitation at 1-10 ug/ml

**Presentation:** 100 µg IgG purified.

**Formulation:** Provided as 0.2µm sterile filtered solution in phosphate buffered saline with 0.08% sodium azide.

**Cross Reactivity:** Cross reacts with human.

**Storage:** Antibodies should be stored at -20°C. Aliquot to avoid freeze/thaw cycles.

**Stability:** Antibodies are stable for one year from purchase if stored frozen.

Ordering Information:	Form	Vial Size	Catalog #
	Purified	100 µg	C105M

**For research use only. Not for use in human diagnostics or therapeutics.**