

Product datasheet for **AM20603PU-N**

CDC25C Mouse Monoclonal Antibody [Clone ID: IMD-25]

Product data:

Product Type:	Primary Antibodies
Clone Name:	IMD-25
Applications:	WB
Recommended Dilution:	Western Blot: 1 - 2 µg/ml.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant human Cdc25c.
Specificity:	This antibody reacts to CDC25C.
Formulation:	1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative. State: Aff - Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore with 1.2% sodium acetate or neutral PBS
Concentration:	0,1 mg/ml (after reconstitution with PBS)
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	cell division cycle 25C
Database Link:	Entrez Gene 995 Human P30307



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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.
Synonyms:	CDC25
Protein Families:	Druggable Genome, Phosphatase, Stem cell - Pluripotency
Protein Pathways:	Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation