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Product datasheet for AM33366PU-S

CDC20 Mouse Monoclonal Antibody [Clone ID: AR12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AR12
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	**ELISA:** Use BSA free Antibody for coating. **Flow Cytometry:** 0.5-1 µg/million cells. **Immunofluorescence:** 0.5-1 µg/ml. **Western Blotting:** 0.5-1 µg/ml. **Immunoprecipitation:** 0.5-1 µg/500 µg protein lysate. **Immunohistochemistry on Frozen and Formalin-Fixed Paraffin Sections:** 0.5-1 µg/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. ***Positive Control***: Ramos or HeLa cells; Tonsil.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Urea-denatured His6 Cdc20 Human recombinant protein.
Specificity:	This antibody reacts with Human Cdc20 (55 kDa). Other species not tested. ***Cellular Localization***: Cytoplasmic.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.

Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	55 kDa
Gene Name:	cell division cycle 20
Database Link:	Entrez Gene 991 Human Q12834
Background:	Cyclins, regulatory subunits which associate with kinases, control many of the important steps in cell cycle progression. The Cdc2 protein kinase (p34Cdc2) exhibits protein kinase activity *in vitro* and exists in a complex with both cyclin B and a protein homologous to p13SUC1. Cdc2 kinase is the active subunit of the M phase promoting factor (MPF) and the M phase-specific Histone H1 kinase. The p34Cdc2/cyclin B complex is required for the G2 to M transition. An additional cell cycle-dependent protein kinase, termed p55cdc, exhibits a high degree of homology with the *S. cerevisiae* proteins Cdc20 and Cdc4. The p55cdc transcript is readily detectable in a variety of cultured cell lines in growth phase, but disappears when cell growth is chemically arrested.
Synonyms:	p55CDC