

## Product datasheet for **AM20606PU-N**

### CDK7 Mouse Monoclonal Antibody [Clone ID: IMD-26]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	IMD-26
Applications:	IF, IHC, WB
Recommended Dilution:	Western Blot: 0.25 µg/ml. Immunohistochemistry on frozen sections: 0.5 µg/ml. Immunocytochemistry.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Recombinant human Cdk7 protein.
Specificity:	This antibody reacts to CDK7.
Formulation:	1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative. State: 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:	cyclin-dependent kinase 7
Database Link:	<a href="#">Entrez Gene 1022 Human P50613</a>



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<b>Background:</b>	CDK-activating kinases (CAKs) are multisubunit proteins that phosphorylate and thus activate certain cyclin-dependent protein kinases in the regulation of cell cycle progression. Cyclin dependent kinase7( CDK7) gene is mapped to chromosome 7p15-cen. CDK7 functions in both cyclin binding and T-loop phosphorylation and that these 2 steps of CDK1 activation are mutually dependent.
<b>Synonyms:</b>	CAK1, P39 Mo15, STK1, CDK-activating kinase
<b>Protein Families:</b>	Druggable Genome, Protein Kinase, Stem cell - Pluripotency, Transcription Factors
<b>Protein Pathways:</b>	Cell cycle, Nucleotide excision repair