

Recombinant Cyclin E (G1/S-Phase Cyclin) Antibody

Mouse Monoclonal Antibody [Clone r13A3]

Catalog No	Format	Size
898-MSM9-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
898-MSM9-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
898-MSM9-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

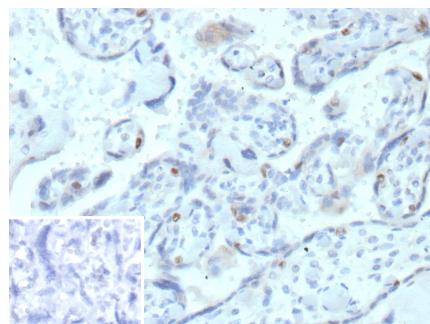
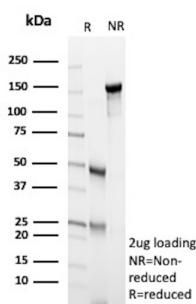
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	r13A3
Gene Name	CCNE1
Immunogen	Prokaryotic recombinant fusion protein corresponding to the full length cyclin E molecule
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	53kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	HeLa cells. Human breast or colon carcinoma.

*Optimal dilution for a specific application should be determined.

Product Images for Recombinant Cyclin E (G1/S-Phase Cyclin) Antibody



SDS-PAGE Analysis of Purified Cyclin E Recombinant Mouse Monoclonal Antibody (r13A3). Confirmation of Purity and Integrity of Antibody.

Formalin-fixed, paraffin-embedded human placenta stained with Cyclin E Recombinant Rabbit Mouse Antibody (r13A3). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

Cyclin E was identified as a protein which would complement cyclin mutations in yeast and mammalian cells. Overexpression of cyclin E shortens the length of the G1 phase, accelerating progression of the cell cycle into S phase. The activity of cyclin E is mediated through its activation of cyclin dependent kinase 2 (cdk2) protein and is modulated by the presence of tumor suppressor proteins such as p16.

Supplied As

200ug/ml of Ab produced in CHO cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Infectious Disease, Lung Cancer, Nuclear Marker, Signal Transduction, Transcription Factors

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.