RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Rabbit anti Cyclin E

Catalog No.	**Species**
MD-14-0217	Human

Preparation

Host Animal: Rabbit
Immunogen: Full length synthetic peptide corresponding to the human gene sequence.
Purification: Not applicable

Specificity

This product reacts with a 45kDa Cyclin E protein from human, rat, and mouse tissue. No reaction was observed against other related cyclins. Cross reactivity with Cyclin E from other species may also occur.

Formulation

Format: Neat, Liquid
Concentration: Total Protein: 85mg/ml (Refractometry)
Buffer: None
Preservative: 0.01% (w/v) Sodium Azide

Storage

Store at –20°C prior to opening. Prepare working dilution only prior to immediate use. For long term storage, aliquot and store at –20°C or below. Expiration date is six (6) months from opening product.
Avoid multiple freeze/thaw cycles.
Centrifuge before opening to ensure complete recovery of vial contents.

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Applications

Table Summary of antibody applications and working conditions

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	.			1:2,000
Immunoblot(*)	.			1:200 - 1:500
Immunohistology – frozen			.	
Immunohistology – paraffin			.	
Immunohistology - resin			.	
Immunoprecipitation			.	
Flow Cytometry			.	
Immunofluorence staining			.	
IFA	.			

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.
(*)Assayed by immunoblot and found to be reactive against Cyclin E followed by reaction with Peroxidase conjugated Affinity Purified Goat anti-Rabbit IgG. Anti-Cyclin E is suitable for the detection by immunoblot of human, rat and mouse Cyclin E.

References

The references listed below are for research purposes only.
1.Koff, A., et al., (1991), “Human cyclin E, a new cyclin that interacts with two members of the CDC2 gene family”, Cell, **66**; 1217-1228.
2.Koff, A., et al., (1992), “Formation and activation of a cyclin E-cdk2 complex during the G1 phase of the human cell cycle”, Science, **257**; 1689-1 694.
3.Claudio P.P., et al., (1996), “Functional analysis of pRb/p130 interaction with cyclins”, Cancer Res., **56**; 2003-2008.