

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Cyclin D1 in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 328311
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Cyclin D1 Met1-Ile295 Accession # P24385
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Immunocytochemistry Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Cyclin D1 (CCND1) is a 36 kDa cell cycle regulatory protein whose expression level and nuclear/cytoplasmic distribution are tightly regulated in synchrony with the cell cycle. Cyclin D1 complexes containing Cdk4 or Cdk6 induce phosphorylation of Rb, a requirement for progression through the G1/S cell cycle transition. Human Cyclin D1 shares 93% amino acid sequence identity with mouse and rat Cyclin D1.

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