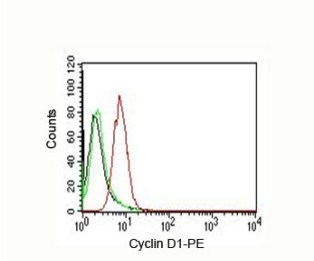
Cyclin D1 Antibody PE Conjugate [clone CCND1/809] (V2365PE)

Catalog No.	Formulation	Size
V2365PE-100T	500 ul at 0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 Tests

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Monkey, Mouse and Rat. Other species not known.
Format	PE Conjugate
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	CCND1/809
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	595
Localization	Nuclear
Applications	Flow Cytometry: 5ul/test/million cells or 5ul/test/100ul of whole blood Immunofluorescence: 1:50-1:100 for 30 minutes at RT
Limitations	This **Cyclin D1 antibody** is available for research use only.



FACS testing of HeLa cells: Black=cells alone; Green=isotype control; Red=Cyclin D1 antibody

Description

This antibody recognizes a protein of 36kDa, identified as Cyclin D1. Cyclin D1, one of the key cell cycle regulators, is a putative proto-oncogene overexpressed in a wide variety of human neoplasms. This antibody neutralizes the activity of

cyclin D1 in vivo. About 60% of mantle cell lymphomas (MCL) contain a t(11; 14)(q13; q32) translocation resulting in over-expression. The antibody is useful in identifying mantle cell lymphomas (Cyclin D1 positive) from CLL/SLL and follicular lymphomas (Cyclin D1 negative). Occasionally, hairy cell leukemia and plasma cell myeloma weakly express Cyclin D1.

Application Notes

The dilution stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the CCND1/809 mAb to be titered up or down for optimal performance.

Immunogen

Human recombinant full length Cyclin D1 protein was used as the immunogen.

Storage

Store the Cyclin D1 antibody at 2-8Â°C. Conjugate is light sensitive, store in the dark.

Alternate Names

Bcl-1, Bcl1

References (3)

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