

Product Datasheet

Cyclin D1 Antibody / CCND1 (orb750252)

Description	Cyclin D1 (CCND1), one of the key cell cycle regulators, is a putative proto-oncogene overexpressed in a wide variety of human neoplasms. About 60% of mantle cell lymphomas (MCL) contain a t(11; 14)(q13; q32) translocation resulting in over-expression of Cyclin D1. This antibody is useful in identifying mantle cell lymphomas (CCND1+) from CLL/SLL and follicular lymphomas (CCND1-). Occasionally, hairy cell leukemia and plasma cell myeloma weakly express CCND1.
Species/Host	Mouse
Reactivity	Human, Mouse
Conjugation	Unconjugated
Tested Applications	FACS, IHC-P, WB
Immunogen	Recombinant full length human protein was used as the immunogen for this CCND1 antibody.
Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin (US sourced) and 0.05% sodium azide
Storage	Store the CCND1 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).
Note	For research use only
Application notes	Optimal dilution of the antibody should be determined by the researcher.
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide
Isotype	Mouse IgG2a, kappa
Clonality	Monoclonal
Clone Number	SPM587

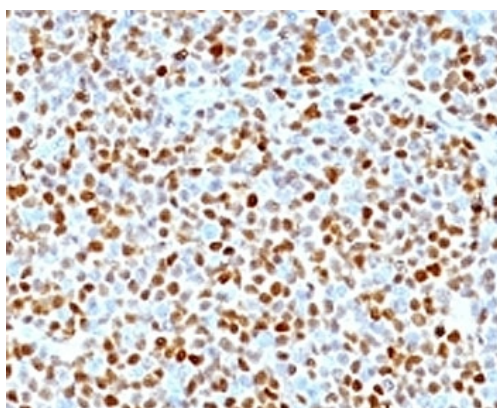
Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44201223859353) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)

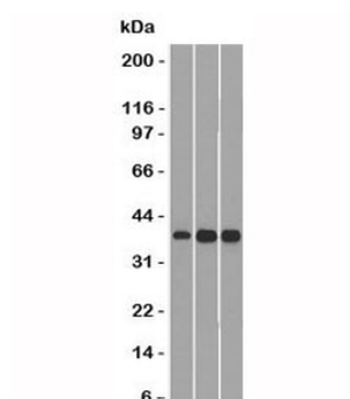
Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+14159065211) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)

Antibody Type	Primary Antibody
Purity	Protein G affinity chromatography
Uniprot ID	P24385
Hazard Information	This CCND1 antibody is available for research use only.
Dilution Range	Flow cytometry: 1-2ug/million cells,Western blot: 1-2ug/ml,Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Expiration Date	12 months from date of receipt.



IHC: Formalin-fixed, paraffin-embedded human mantle cell lymphoma stained with CCND1 antibody.



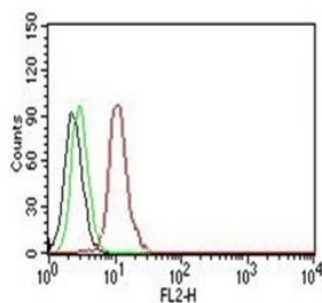
Western blot testing of 1) human HepG2, 2) mouse NIH3T3 and 3) mouse C2C12 lysate with CCND1 antibody.
Expected/observed molecular weight ~32-36kDa.

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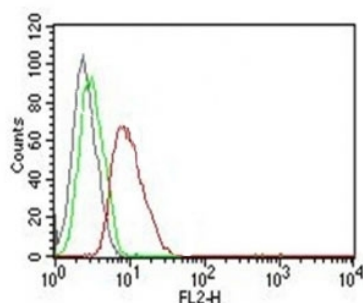
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Flow Cytometry testing of Jurkat cells. Black: cells alone; Green: isotype control; Red: PE-labeled Cyclin D1 antibody.



Flow Cytometry testing of MCF-7 cells. Black: cells alone; Green: isotype control; Red: PE-labeled Cyclin D1 antibody.

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