

Datasheet for 200-301-153**Cyclin D1 Antibody****Overview**

Description:	Anti-Cyclin D1 (MOUSE) Antibody - 200-301-153
Item No.:	200-301-153
Size:	100 µg
Reactivity:	H. sapiens (Human), Mus musculus (Mouse), Rattus (Rat)
Host Species:	Mouse

Product Details

Background:	D-type cyclins (cyclins D1, D2, and D3) are regarded as essential links between cell environment and the core cell cycle machinery. CyclinD1(CCND1), also known as BCL1. Expression of cyclin D1, but not of cyclins A and E, was induced by transfection of the RB gene into RB-deficient tumor cells. CCND1 gene to 11q13. cyclin D1 gene can function as an oncogene. Cyclin D1 expression is regulated by the retinoblastoma protein. This antibody is suitable for researchers interested in cancer research, autoimmune disease, neurodegenerative disease, MAP Kinase Signaling, AKT Signaling, Inflammatory Signaling, and Cell Cycle research.
Synonyms:	BCL1, U21B31, D11S287, PRAD1, B-CELL LEUKEMIA 1, B-cell CLL/lymphoma 1, G1/S-specific cyclin D1, parathyroid adenomatosis 1, B-cell lymphoma 1 protein, BCL-1 oncogene, PRAD1 oncogene
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	CY-D1
Format:	IgG2a

Target Details

Gene Name:	CCND1
Reactivity:	H. sapiens (Human), Mus musculus (Mouse), Rattus (Rat)
Immunogen Type:	Recombinant Protein
Immunogen:	Cyclin D1 antibody was produced in mice by repeated immunizations with a recombinant protein corresponding to human cyclin D1 protein.

Purity/Specificity:	Anti-Cyclin D1 antibody was purified from mouse ascites by protein A chromatography. This product reacts with human, mouse, and rat. Cross reactivity with Cyclin D1 from other sources has not been determined.
Relevant Links:	• UniProtKB - P24385 • GeneID - 595 • NCBI - NP_444284.1

Application Details

Application Note:	Anti-Cyclin D1 is useful for Immunohistochemistry -F, -P, Immunocytochemistry, and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~33.7 kDa corresponding to the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:40,000
IHC:	1:100-1:500
WB:	4ug/ml

Formulation

Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	1.2% sodium acetate
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	2mg BSA
Reconstitution Volume:	1.0 mL
Reconstitution Buffer:	Neutral PBS

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.