

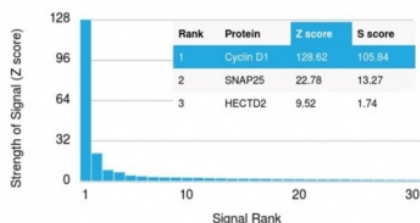
## Cyclin D1 Antibody / CCND1 [clone CCND1/3548] (V8053)

| Catalog No.    | Formulation  | Size   |
|----------------|--|--------|
| V8053-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V8053-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug  |
| V8053SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                             | 100 ug |

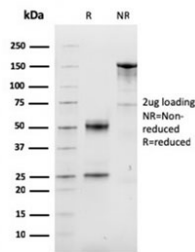
[Bulk quote request](#)

|                           |   |
|---------------------------|---|
| <b>Availability</b>       | 1-3 business days   |
| <b>Species Reactivity</b> | Human   |
| <b>Format</b>             | Purified  |
| <b>Clonality</b>          | Monoclonal (mouse origin)                                   |
| <b>Isotype</b>            | Mouse IgG2b, kappa  |
| <b>Clone Name</b>         | CCND1/3548  |
| <b>Purity</b>             | Protein G affinity chromatography                           |
| <b>UniProt</b>            | P24385  |
| <b>Applications</b>       | ELISA (order BSA-free Format For Coating) :                 |
| <b>Limitations</b>        | This Cyclin D1 antibody is available for research use only. |

Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Cyclin D1 antibody (clone CCND1/3548). These results demonstrate the foremost specificity of the CCND1/3548 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free Cyclin D1 antibody (clone CCND1/3548) as confirmation of integrity and purity.

## Description

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 of cyclin D1. This 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

Optimal dilution of the Cyclin D1 antibody should be determined by the researcher.

## Immunogen

A recombinant human partial protein (amino acids 115-270) was used as the immunogen for this Cyclin D1 antibody.

## Storage

Store the Cyclin D1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).