

# Product Datasheet

## Cyclin D1 Antibody (CCND1/809) [Allophycocyanin] NBP2-47921APC

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-47921APC**

Cyclin D1 Antibody (CCND1/809) [Allophycocyanin]

| Product Information         |  |
|-----------------------------|--|
| Unit Size                   | 0.1 ml   |
| Concentration               | Please see the vial label for concentration. If unlisted please contact technical services.  |
| Storage                     | Store at 4C in the dark.   |
| Clonality                   | Monoclonal   |
| Clone                       | CCND1/809  |
| Preservative                | 0.05% Sodium Azide   |
| Isotype                     | IgG2a Kappa  |
| Conjugate                   | Allophycocyanin  |
| Purity                      | Protein A or G purified  |
| Buffer                      | PBS  |
| Product Description         |  |
| Description                 | This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.  |
| Host                        | Mouse  |
| Gene ID                     | 595  |
| Gene Symbol                 | CCND1  |
| Species                     | Human  |
| Marker                      | G1-Cyclin & Mantle Cell Marker   |
| Specificity/Sensitivity     | 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. |
| Immunogen                   | Recombinant human Cyclin D1 protein (Uniprot: P24385)  |
| Product Application Details |  |
| Applications                | Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready   |
| Recommended Dilutions       | Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready   |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.   |



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### **Products Related to NBP2-47921APC**

|                    |  |
|--------------------|--|
| NBP1-96981APC      | Mouse IgG2a Kappa Isotype Control (M2AK) [Allophycocyanin] |
| H00000595-P01-10ug | Recombinant Human Cyclin D1 GST (N-Term) Protein           |
| NBP2-75100         | Human Cyclin D1 ELISA Kit (Colorimetric)                   |
| NB600-302          | c-Myc Antibody (9E10) - BSA Free                           |

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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