

Product Datasheet

Cyclin D1 Antibody (SPM587) [CoraFluor™ 1] NBP2-34816CL1

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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Updated 8/13/2025 v.20.1

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NBP2-34816CL1

Cyclin D1 Antibody (SPM587) [CoraFluor™ 1]

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. Do not freeze. |
| Clonality | Monoclonal |
| Clone | SPM587 |
| Preservative | No Preservative |
| Isotype | IgG2a Kappa |
| Conjugate | CoraFluor 1 |
| Purity | Protein A or G purified |
| Buffer | PBS |

Product Description

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| Description | CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(TM) 1 absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm, 585 nm and 620 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1. CoraFluor(TM) 1 can be used for the development of robust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays. CoraFluor(TM) 1, amine reactive CoraFluor(TM) 1, thiol reactive For more information, please see our CoraFluor(TM) TR-FRET technology flyer . |
| Host | Mouse |
| Gene ID | 595 |
| Gene Symbol | CCND1 |
| Species | Human, Mouse, Rat, Monkey |
| 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 | Human recombinant full length cyclin D1 protein (Uniprot: P24385) |
| Notes | CoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254 |

Product Application Details

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|------------------------------|---|
| Applications | Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, CyTOF-ready |
| Recommended Dilutions | Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, CyTOF-ready |
| Application Notes | Optimal dilution of this antibody should be experimentally determined. |



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Products Related to NBP2-34816CL1

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|--------------------|--|
| H00000595-P01-10ug | Recombinant Human Cyclin D1 GST (N-Term) Protein |
| NBP2-75100 | Human Cyclin D1 ELISA Kit (Colorimetric) |
| NB500-106 | PCNA Antibody (PC10) - BSA Free |
| 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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