

# Product Datasheet

## CD81 Antibody (1.3.3.22) [CoraFluor™ 1] NBP3-12080CL1

Unit Size: 0.1 ml

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

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**NBP3-12080CL1**

CD81 Antibody (1.3.3.22) [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               | 1.3.3.22  |
| Preservative        | No Preservative   |
| Isotype             | IgG Kappa   |
| Conjugate           | CoraFluor 1   |
| Purity              | Protein A purified  |
| Buffer              | PBS   |

| Product Description     |   |
|-------------------------|---|
| 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(IM) 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. |
| Host                    | Rabbit  |
| Gene ID                 | 975   |
| Gene Symbol             | CD81  |
| Species                 | Human, Mouse, Rat   |
| Specificity/Sensitivity | 1.3.3.22 antibody recognizes CD81. Human CD81 is a member of the tetraspanin family of leukocyte cell surface molecules which are involved in signal transduction, cell-cell adhesion and cellular activation. CD81 also acts as a receptor for the envelope protein E2 of chronic hepatitis C virus. It is present on a wide variety of leukocytes.  |
| Immunogen               | This antibody was raised by immunizing mice with a B-Cell line derived from a Burkitt lymphoma.   |
| 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 |   |
|-----------------------------|---|
| Applications                | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry |
| Recommended Dilutions       | Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.                      |



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### **Products Related to NBP3-12080CL1**

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|                 |   |
|-----------------|---|
| NBP2-60215-50ug | Recombinant Human CD81 hIgG-His Protein |
| 7268-CT-100     | CTLA-4 [Unconjugated]                   |
| 9144-CD-050     | CD81 [Unconjugated]                     |
| NB400-104       | SR-BI Antibody - BSA Free               |

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### **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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