

# Product Datasheet

## CD43/Sialophorin Antibody (DF-T1) [CoraFluor™ 1] NBP2-33140CL1

Unit Size: 0.1 ml

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

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**NBP2-33140CL1**

CD43/Sialophorin Antibody (DF-T1) [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                       | DF-T1   |
| Preservative                | No Preservative   |
| Isotype                     | IgG1 Kappa  |
| Conjugate                   | CoraFluor 1   |
| Purity                      | Protein A or G purified   |
| Buffer                      | PBS   |
| Product Description         |   |
| Host                        | Mouse   |
| Gene ID                     | 6693  |
| Gene Symbol                 | SPN   |
| Species                     | Human   |
| Marker                      | T-Cell Marker   |
| Specificity/Sensitivity     | It recognizes a cell surface glycoprotein of 95/115/135kDa (depending upon the extent of glycosylation), identified as CD43 [Workshop IV]. Epitope of monoclonal antibody Bra7G is clearly different from that of monoclonal antibody DF-T1, called b as opposed to a for DF-T1. 70-90% of T-cell lymphomas and from 22-37% of B-cell lymphomas express CD43. No reactivity has been observed with reactive B-cells. So a B-lineage population that co-expresses CD43 is highly likely to be a malignant lymphoma, especially a low-grade lymphoma, rather than a reactive B-cell population. When CD43 antibody is used in combination with anti-CD20, effective immunophenotyping of the lymphomas in formalin-fixed tissues can be obtained. Co-staining of a lymphoid infiltrate with anti-CD20 and anti-CD43 argues against a reactive process and favors a diagnosis of lymphoma. |
| Immunogen                   | Myeloblastic KG1 cells  |
| 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, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence  |
| Recommended Dilutions       | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin  |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.  |





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### **Products Related to NBP2-33140CL1**

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|               |  |
|---------------|--|
| NBP1-43319CL1 | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [CoraFluor™ 1] |
| NBP2-23472    | Recombinant Human CD43/Sialophorin His Protein               |
| 210-TA-005    | TNF-alpha [Unconjugated]                                     |
| 9680-CD-050   | CD43/Sialophorin [Unconjugated]                              |

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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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