

# Product Datasheet

## CD20 Antibody (IGEL/773) [PE/Cy7] NBP2-47840PECY7

Unit Size: 0.1 ml

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

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**NBP2-47840PECY7**

CD20 Antibody (IGEL/773) [PE/Cy7]

| <b>Product Information</b>         |  |
|------------------------------------|--|
| <b>Unit Size</b>                   | 0.1 ml   |
| <b>Concentration</b>               | Please see the vial label for concentration. If unlisted please contact technical services.  |
| <b>Storage</b>                     | Store at 4C in the dark. Do not freeze.  |
| <b>Clonality</b>                   | Monoclonal   |
| <b>Clone</b>                       | IGEL/773   |
| <b>Preservative</b>                | 0.05% Sodium Azide   |
| <b>Isotype</b>                     | IgG2a Kappa  |
| <b>Conjugate</b>                   | PE/Cy7   |
| <b>Purity</b>                      | Protein A or G purified  |
| <b>Buffer</b>                      | PBS  |
| <b>Product Description</b>         |  |
| <b>Host</b>                        | Mouse  |
| <b>Gene ID</b>                     | 931  |
| <b>Gene Symbol</b>                 | MS4A1  |
| <b>Species</b>                     | Human  |
| <b>Reactivity Notes</b>            | Others not known.  |
| <b>Marker</b>                      | B-Cell Marker  |
| <b>Specificity/Sensitivity</b>     | Recognizes a protein of 30-33kDa, which is identified as CD20. It is a non-Ig differentiation antigen of B-cells and its expression is restricted to normal and neoplastic B-cells, being absent from all other leukocytes and tissues. CD20 is expressed by pre B-cells and persists during all stages of B-cell maturation but is lost upon terminal differentiation into plasma cells. This monoclonal antibody can be used for immunophenotyping of leukemia and malignant cells, B lymphocyte detection in peripheral blood and B cell localization in tissues. It reacts with the majority of B-cells present in peripheral blood and lymphoid tissues and their derived lymphomas. In lymphoid tissue, germinal center blasts and B-immunoblasts are particularly reactive. It is a reliable antibody for ascribing a B-cell phenotype in known lymphoid tissues. Rarely, CD20-positive T-cell lymphomas have been reported. Reactivity has also been noted with Reed-Sternberg cells in cases of Hodgkin s disease, particularly of lymphocyte predominant type. |
| <b>Immunogen</b>                   | Recombinant full-length human CD20 protein (Uniprot: P11836 )  |
| <b>Product Application Details</b> |  |
| <b>Applications</b>                | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence, Multiplex Immunoassay   |
| <b>Recommended Dilutions</b>       | Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunofluorescence, CyTOF-ready, Multiplex Immunoassay   |



**Application Notes**

Use in Multiplex Immunoassay reported in scientific literature (PMID: 31942075). Optimal dilution of this antibody should be experimentally determined. For optimal results using our Tandem dyes, please avoid prolonged exposure to light or extreme temperature fluctuations. These can lead to irreversible degradation or decoupling. When staining intracellular targets, specific attention to the fixation and permeabilization steps in your flow protocol may be required. Please contact our technical support team at [technical@novusbio.com](mailto:technical@novusbio.com) if you have any questions.





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### **Products Related to NBP2-47840PECY7**

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|                 |   |
|-----------------|---|
| NBP1-96981PECY7 | Mouse IgG2a Kappa Isotype Control (M2AK) [PE/Cy7] |
| NBP2-61455-10ug | Recombinant Human CD20 His Protein                |
| 210-TA-005      | TNF-alpha [Unconjugated]                          |
| NBL1-13312      | CD20 Overexpression Lysate                        |

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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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