

Product Datasheet

CD20 Antibody (IGEL/1497R) [Allophycocyanin] NBP2-49873APC

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-49873APC

CD20 Antibody (IGEL/1497R) [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 | IGEL/1497R |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG |
| Conjugate | Allophycocyanin |
| Purity | Protein A purified |
| Buffer | PBS |
| Product Description | |
| Host | Rabbit |
| Gene ID | 931 |
| Gene Symbol | MS4A1 |
| Species | Human |
| Reactivity Notes | Does not react with Canine. |
| Marker | B-Cell Marker |
| Specificity/Sensitivity | 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 Hodgkins disease, particularly of lymphocyte predominant type. |
| Immunogen | Recombinant human full-length CD20 protein (Uniprot: P11836) |
| 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. |

Images

CD20 Antibody (IGEL/1497R) [Allophycocyanin] [NBP2-49873APC] - Vial of APC conjugated antibody. APC is optimally excited at 650 nm by the Red laser (633 or 640 nm) and has an emission maximum of 660 nm.



Allophycocyanin (APC)

| LASER (nm) | FILTER |
|---------------|--------|
| Red (633,640) | 660/10 |

| EXCITATION MAX (nm) | EMISSION MAX (nm) |
|---------------------|-------------------|
| 650 | 660 |



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Products Related to NBP2-49873APC

| | |
|-------------------|---|
| IC1051A | Rabbit IgG Isotype Control (60024B) [Allophycocyanin] |
| H00000931-P01-2ug | Recombinant Human CD20 GST (N-Term) Protein |
| 210-TA-005 | TNF-alpha [Unconjugated] |
| NBL1-13312 | CD20 Overexpression Lysate |

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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