

Recombinant CD20 / MS4A1 (B-Cell Marker) Antibody

Rabbit Monoclonal Antibody [Clone MSVA-020R]

| Catalog No | Format | Size |
|--------------|--------------------------------|--------|
| 931-RBM24-P0 | Purified Ab with BSA and Azide | 20 ug |
| 931-RBM24-P1 | Purified Ab with BSA and Azide | 100 ug |

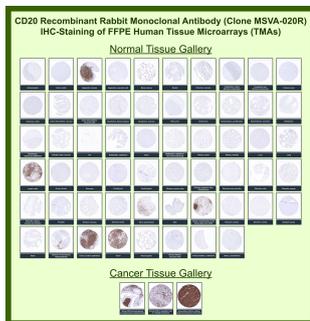
| Applications | Tested Dillution | Note |
|----------------------------|------------------|--|
| Immunohistochemistry (IHC) | 1:100-1:200 | Manual Protocol: Freshly cut sections should be used (less than 10 days between cutting and staining). Heat-induced antigen retrieval for 5 minutes in an autoclave at 121°C in pH 7.8 Target Retrieval Solution buffer. Apply the antibody at a dilution of 1:150 at 37°C for 60 minutes. Visualization of bound antibody by the EnVision Kit (Dako, Agilent) according to the manufacturer's directions. |

Product Details

| | |
|-------------------------------|---|
| Clone | MSVA-020R |
| Immunogen | Recombinant human full-length MS4A1 protein |
| Host | Rabbit |
| Clonality | Monoclonal |
| Isotype / Light Chain | IgG / Kappa |
| Mol. Weight of Antigen | 33-37kDa |
| Cellular Localization | Cell membrane |
| Species Reactivity | Human |
| Positive Control | Tonsil or appendix: A strong, predominantly membranous staining of the mantle zone B-cells, the germinal centre B-cells and the interfollicular B-cells is required, while all other cells should stain negative. |

*Optimal dilution for a specific application should be determined.

Product Images for Recombinant CD20 / MS4A1 (B-Cell Marker) Antibody



B-lymphocyte antigen CD20 Rabbit Recombinant Monoclonal Antibody (MSVA-020R) tested on many normal and cancer tissues. The immunohistochemistry staining in these tissues aligns with the expression data in Human Protein Atlas.

Specificity & Comments

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 MAb 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.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

Ab produced in HEK293 cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

B Cell Markers, Hematopoietic Stem Cells
