

36-3545: Anti-CD20 / MS4A1 (B-Cell Marker) Monoclonal Antibody(Clone: rIGEL/773)

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| Clonality : | Monoclonal |
| Clone Name : | rIGEL/773 |
| Application : | IF,FACS,IHC |
| Reactivity : | Human |
| Gene : | MS4A1 |
| Gene ID : | 931 |
| Uniprot ID : | P11836 |
| Alternative Name : | APY; ATOPY; B-lymphocyte cell-surface antigen B1; Bp35; Fc epsilon receptor I beta chain; Fc Fragment of IgE high affinity I receptor for beta polypeptide; FCER1B; High affinity immunoglobulin epsilon receptor subunit beta; IgE Fc receptor subunit beta; IGEL; IGER; IGHF; LEU16; Leukocyte surface antigen Leu-16; Ly44; Membrane spanning 4 domains subfamily A member 2; Membrane-spanning 4-domains subfamily A member 1 (MS4A1) |
| Isotype : | Mouse IgG1, kappa |
| Immunogen Information : | Recombinant full-length human MS4A1 fragment |

Description

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.

Product Info

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| Amount : | 20 µg / 100 µg |
| Content : | 200 µg/ml of recombinant MAb Purified by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. |
| Storage condition : | 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. |

Application Note

Immunofluorescence (1-2ug/ml); Flow Cytometry (1-2ug/million cells);Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95 °C followed by cooling at RT for 20 minutes)

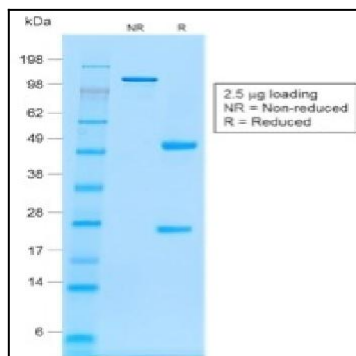


Fig. 1: SDS-PAGE Analysis Purified CD20 Mouse Recombinant Monoclonal Antibody (rIGEL/773). Confirmation of Purity and Integrity of Antibody.

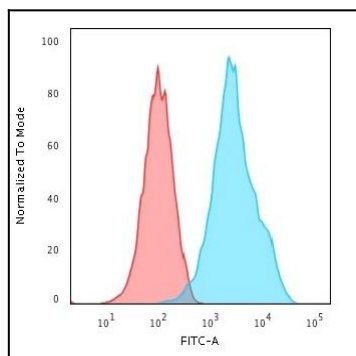


Fig. 2: Flow Cytometric Analysis of Raji cells using CD20 Mouse Recombinant Monoclonal Antibody (rIGEL/773) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

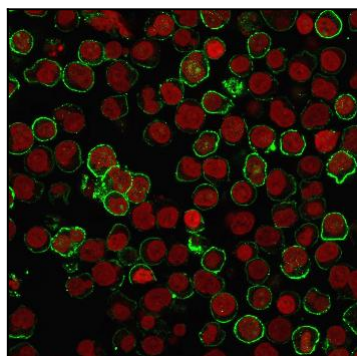


Fig. 3: Immunofluorescence staining of Raji cells using CD20 Mouse Recombinant Monoclonal Antibody (rIGEL/773) followed by goat anti-Mouse IgG conjugated to CF488 (green). Nuclei are stained with Reddot.