

CD21, C3d receptor, CR2, clone 4C5 Monoclonal Antibody

Catalog No.: MON 7019

Quantity: 1 ml

Source

A BALB/c mouse was immunized subcutaneously in its footpads with fragments of a human tonsil. After fusing the lymphocytes from the popliteal lymph nodes of this mouse with murine SP2/0 myeloma cells, the antibody producing cells were selected on their immunohistochemical staining pattern. Later on the antibody was biochemically analysed and revealed to recognize the CD21 molecule (140kD) by immunoprecipitation procedures.

Specificity

This antibody reacts with the CD21 (140kD) molecule, expressed (moderate) on mature B-cells and (at high density) on follicular dendritic cells (FDC).

Immunoglobulin type

Murine IgG2a

Use

4C5 shows moderate labeling of mature B-cells and strong labeling of FDC's on acetone-fixed cryostat sections, air-dried and acetone-fixed cells and immunofluorescence and immunoperoxidase tests. Immunohistochemistry: use approx. 1:20-1:50 dil. (depends on technique) on (acetone-fixed) frozen sections and cytospin preparations. For flow cytometry dilute 1:50.

Presentation

1 ml antibody solution with approximately 60 µg immunoglobulin/ml and 0.1% sodium azide.

Storage

Store at 4°C for short term (3 months) and at -20°C for extended storage.

Literature

- Abo, T., and Balch, C.M., 1981, The Journal of Immunology, 127, 1024.
- Jaspars, et al., 1994, Histopathology, *in press*.

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