

MONOCLONAL ANTIBODY CD35

| Cat. No. | Form | Quantity | Presentation |
|----------|----------|-----------|--------------|
| 0195 | Purified | 0.2 mg | Freeze-dried |
| 1836 | FITC | 100 tests | Liquid 2 ml |

Clone J3.D3

Isotype IgG1 κ (mouse)

Immunogen Purified C3b receptor from human red blood cells

Hybridoma Myeloma NS1 X Balb/c spleen cells

Specificity The molecular weights of the recognized antigens are 160, 190, 220, and 250 kDa. CD35 antigen is composed of 4 allotypes

This J3 D3 monoclonal antibody recognizes the C3b receptor (CR1) which is present on B lymphocytes, monocytes, myeloid cells, dendritic cells of lymphocyte follicles, and renal podocytes.

Applications Studies have shown that CD35 antibodies can be useful in the identification of malignant lymphomas and leukemias.

Histopathological study of glomerulonephritis.

Study of the mechanism of C3b degradation.

Analysis of lymphoid and myeloid differentiation

Buffer Freeze-dried forms: 1 mg/ml bovine serum albumin in phosphate buffered saline

Liquid forms: 2 mg/ml bovine serum albumin in phosphate buffered saline containing 0.1% sodium azide.

Reconstitution and Storage The freeze-dried form may be stored at 2-8°C until the expiration date. Reconstitute with 1 ml of distilled water. No preservative has been added. The reconstituted form may be stored at -20°C until the expiration date. Aliquotting is suggested to avoid multiple freeze-thaw cycles. The addition of sodium azide at 0.1% (w/v) is recommended for storage of the reconstituted form for up to one month at 2-8°C.

The conjugated forms should not be frozen and should be stored in the dark at 2 - 8°C

May 30, 1995

MA003

FOR RESEARCH USE ONLY - NOT FOR USE IN DIAGNOSTIC PROCEDURES

 **IMMUNOTECH**
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**Recommended
Procedures**

Fluorescent microscopy or flow cytometry:

Liquid form: 20 μ l/5x10⁵ cells/test or 100 μ l whole blood

Freeze-dried form: 2 μ g/5x10⁵ cells/test

Immunohistochemistry:

Working dilution: 1:25 to 1:50

This antibody is suitable on frozen sections or cell smears, and on Bouin's fixed, paraffin-embedded tissues.

References

1) Cook, J., Fisher, F., Boucheix, C., Mirsrahi, M, Jouvin, M.H, Weiss, L., Jack, R. & Kazatchkine, M., "Mouse monoclonal antibodies to the human C3b receptor". 1985, Molec. Immunol. **22** (5), 531-539.

2) Reid, K.B.M., Bentley, D.R., Campbell, R.D., Chung, L.P., Sim, R.B., Kristensen, T., Tack, B F., "Complement system proteins which interact with C3b or C4d", 1986, Immunology Today, **7** (7), 230-234.

This antibody was studied at the Human Leucocyte Workshop in Oxford (1986).

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