

CD53, pan Leucocyte, clone MEM-53 Monoclonal Antibody

Catalog No.: MON1131

Quantity: 1 ml

Specificity

The antibody is a prototypic antibody for the human CD53 pan-leucocyte determinant, a 35-40 kD glycoprotein. Reacts also with the deglycosylated antigen. The antibody induces oxydative burst in granulocytes and monocytes.

Immunoglobulin type

Murine IgG₁

Use.

The antibody is useful for the detection of CD53 positive cells (all leukocytes). It can be used for differential diagnosis of hematopoietic tumors, sarcomas and melanomas.

Can be used for immunoisolation of the antigen and immunostaining of leucocytes. Suitable for immunohistological discrimination of lymphomas from other tumors on frozen sections.

Instructions for use

The antibody can be used for immunofluorescence tests on cells in suspension and immunohistochemistry on frozen sections and for immunoprecipitation of CD53. Depending on the technique to be used, a working dilution has to be tested beforehand; a dilution of about 1:10 is advised.

Presentation

1 ml PBS-diluted ascites with 0.1% sodium-azide. Sufficient for staining of 100 cell preparations for immunofluorescence.

Literature

- Angelisová, P., et al., 1990, Immunogenetics 32, 281.
- Leucocyte Typing IV, ed. W. Knapp et al., Oxford Univ. Press, Oxford 1989, Workshop nr N059. See Stefanova I. et al., pp. 678-680.
- Bazil, V., et al, 1989, Folia Biologica 35, 289-298.
- Virtaneva, K.I., et al., 1993, Immunogenetics 37, 461-465.
- Olweus, J., et al., J. Immunol. 151, 707-716.

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Cell Sciences, Inc.
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Web Site: www.cellsciences.com