

Multidrug-resistance related protein, MRP, Clone MRPm6 Monoclonal Antibody

Catalog No: MON9017-1

Quantity: 1 ml

Specificity:

MRPm6 reacts with an internal epitope of MRP, a 180-195 kD transmembrane transporter protein over expressed in various human non-P-glycoprotein MDR tumor cell lines. MRPm6 was raised against a bacterial fusion protein of MRP, containing a segment of 170 amino acids in the carboxy terminal end and part of the carboxy proximal nucleotide binding domain of the protein. MRPm6 does not cross react with the human *MDR1* and *MDR3* gene products (Flens et al. 1994)

Immunoglobulin type:

Murine IgG1

Use:

MRPm6 has potential value for detection of MRP MDR in human tumor samples.

Working dilutions.

Flow cytometry: at least 1:20-1:50.

Western blotting: at least 1:20-1:50.

Immunocytochemistry: acetone fixed cell preparation at least 1:20-50.

Immunohistochemistry: acetone-fixed frozen sections at least 1:20-50.
formalin-fixed paraffin embedded tissues 1:20.

Instructions for use:

For use of paraffin embedded sections a 0.01M citrate pretreatment (3 times for 3 min. at 100°C) may increase the performance of this antibody. In flow cytometry, fixate cells in 10% (v/v) Lysing solution followed by primary antibody and anti-Mouse-FITC. In developing a Western blot staining pattern, use an anti-Mouse-HRP.

Presentation:

1 ml serum-free tissue culture supernatant with approximately 250 µg immunoglobulin/ml and 0.7% BSA and 0.1% sodium azide. Sufficient for at least 200 tests. Catalog No. MON 9017-1.

5 ml serum-free tissue culture supernatant with approximately 250 µg immunoglobulin/ml and 0.7% BSA and 0.1% sodium azide. Sufficient for at least 1,000 tests. Catalog No. MON 9017-5.

Storage:

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

Literature :

- Flens, M., et al., 1994, Cancer Res. 54, 4557-4564.
- Cole, S., et al., 1992, Science 258, 1650-1654.
- Zaman, et al., 1994, Proc.Nat.Acad.Sci. USA 91, 8822-8826.
- Flens, M., et al., 1995, Am. J. Pathology *in press*.
- Schadendorf, et al, 1995, Am. J. Pathology *in press*.
- Nooter, et al., 1995, Ann. Oncol. *in press*.



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Safety information about the cell lines and culture media used in the production of the Mab.

Mab producing cells:

The hybridoma cell line was obtained by fusion of lymph node cells from an immunized mouse (Balb/C) with SP2/0 mouse myeloma cells.

Culture medium:

RPMI-1640 (Gibco, Paisley, Scotland UK), supplemented with Nutridoma-SR (Boehringer, Indianapolis, USA). The medium does not contain serum or added enzymes. The antibody solution has been filtered through a 0.22 micron filter.

Note:

This monoclonal antibody has been produced in a clinical laboratory in which no animal viruses are being studied or cultured.

Limitations:

This is a laboratory reagent, not to be administered to humans or animals nor used for any drug purpose.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

