cellsciences.com

Multidrug-resistance related protein, MRP, Clone MRPr1 Monoclonal Antibody

Catalog No: MON9018-1

Quantity: 1 ml

Specificity:
MRPr1 reacts with an epitope of MRP, a 180-195 kD transmembrane transporter protein overexpressed in various human non-P-glycoprotein MDR tumor cell lines. MRPr1 was raised against a bacterial fusion protein of MRP, containing a segment of 168 amino acids in the amino-proximal half of the protein. MRPr1 does not cross-react with the human *MDR1* and *MDR3* gene products (Flens et al. 1994).

Immunoglobulin type:
Rat IgG2a

Use:
MRPr1 has potential value for detection of MRP-related non-Pgp MDR in human tumor samples.
Working dilutions.

Flow cytometry:	at least 1:20-1:50.
Western blotting:	at least 1:20-1:50.
Immunocytochemistry:	aceton fixed cell preparation at least 1:20-50.
Immunohistochemstry:	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-Rat-FITC. In developing a Western blot staining pattern, use an anti-Rat-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 9018-1.
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 9018-5.

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.Natl.Acad.Sci. USA *91*. 8822-8826.
- Flens, M., et al., 1996, Am. J. Pathology *in press*.
- Schadendorf, et al, 1995, Am. J. Pathology *in press*.
- Nooter, et al., 1995, Ann. Oncol. *in press*.

Cell Sciences, Inc.
Neponset Valley Tech Park
480 Neponset St., Bldg. 12
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

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 rat (out bred Wistar strain) 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 nor 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.

Cell Sciences, Inc.
Neponset Valley Tech Park
480 Neponset St., Bldg. 12
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