

Multidrug-resistance related protein, MRP3, clone M3II-9 Monoclonal Antibody

Catalog No.: MON 9030

Quantity: 1 ml

Specificity

M3II-9 reacts with an internal epitope of MRP3, a 190-200 kD transmembrane protein that is closely related to the multidrug resistance protein MRP1. M3II-9 was raised against a bacterial fusion protein of MRP3, containing amino acids 830-949 of the protein. M3II-9 does not cross-react with the human *MDR1*, *MRP1*, *MRP2* or *MRP5* gene products

Immunoglobulin type

Mouse IgG1

Use

M3II-9 has potential value for detection of MRP3-mediated drug-resistance in human tumor samples. Immunocytochemistry: use 1:20-1:50 dil. on acetone or formaldehyde fixed cytospin preparations. For immunohistochemistry: use 1:20 on acetone fixed frozen sections. Western blotting: use 1:20-1:50 dil, and anti mouse HRP. Flow cytometry: optimal conditions still to be defined.

Presentation

1 ml serum-free tissue culture supernatant with approximately 500 µg immunoglobulin/ml, 0.7% BSA and 0.1% sodium azide. Sufficient for at least 200 tests. Catalog No.: MON 9031.

Storage

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

Literature

- Kool et al. Analysis of expression of cMOAT (MRP2), MRP3, MRP4 and MRP5, homologs of the multidrug resistance associated protein gene (MRP1), in human cancer cell lines
Cancer res. 57: 3537-3547, 1997
- Kool et al. MRP3, an organic anion transporter able to transport anti cancer drugs. *Proc. Natl. Acad. Sci. USA* 96: xxx-xxx, 1999 (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 nor 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.

FOR RESEARCH USE ONLY, NOT FOR DRUG, DIAGNOSTIC OR OTHER USE.

