



PRODUCT DATA SHEET

Product: Anti-MRP2/cMOAT mAb, clone M₂II-12

Cat. No.: MC-207 (1 mL)
MC-165 (0.5 mL)

Background:

Human MRP2/cMOAT (ABCC2) is a 190-200 kDa transmembrane protein known as the canalicular multi-organic anion transporter. It is absent in humans with the Dubin-Johnson syndrome, an autosomal recessive liver disorder characterized by chronic conjugated hyperbilirubinemia. MRP2/cMOAT is closely related to the multidrug resistance-related protein MRP, and MRP2/cMOAT is overexpressed in a subset of cisplatin-resistant cell lines.

Specificity:

Reacts with an internal epitope of human MRP2/cMOAT. Does not cross-react with human *MDR1*, *MRP1*, *MRP3* and *MRP5* gene products.

Species Reactivity:

Human. Others not tested.

Ig Isotype:

Mouse IgG_{2a}

Immunogen:

Bacterial fusion protein containing amino acids 860-950 of human cMOAT/MRP2.

Hybridoma:

Mouse myeloma (SP2/0) x immunized mouse (Balb/c) lymph node cells.

Format:

1 mL or 0.5 mL containing ~250 µg IgG/mL in serum-free culture supernatant with protein stabilizer and 0.1% sodium azide. Filtered through a 0.22 micron filter.

Culture medium: RPMI-1640, supplemented with Nutridoma-SR. The medium does not contain serum or added enzymes.

Storage:

Store at 4°C for short term. Aliquot and store at -20°C for long term. Avoid repeated freeze/thaw cycles.

Applications and Suggested Dilutions:

- Western blotting: Use at a 1:20-50 dilution and anti-mouse HRP.
- Immunohistochemistry: Use at a 1:20 dilution on acetone fixed frozen sections can be followed by incubation with rabbit anti-mouse IgG and a monoclonal mouse APAAP complex.
- Immunocytochemistry: Use at a 1:20-50 dilution on acetone fixed cytopspin preparations.
- Flow cytometry: Optimal conditions still to be defined.

The optimal dilution for a specific application should be determined by the researcher.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.