



## PRODUCT DATA SHEET

**Product:** Anti-MRP2/cMOAT mAb, clone M<sub>2</sub>II-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<sub>2a</sub>

**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.