



PRODUCT DATA SHEET

Product: Anti-cMOAT/MRP2, Clone M₂II-12

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

Background:

Human cMOAT/MRP2 is a 190-200 kD 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. cMOAT/MRP2 is closely related to the multidrug resistance-related protein MRP, and cMOAT/MRP2 is overexpressed in a subset of cisplatin-resistant cell lines.

Specificity:

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

Species Reactivity:

Human, others not tested.

Ig Isotype: Murine IgG2a

Immunogen:

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

Format:

0.5 ml of serum free cell culture supernatant concentrated to 250 µg/ml. Contains 0.7% BSA and 0.1% sodium azide.

Storage and Stability:

Stable for at least 2 months when stored at 2-8°C, and 1 year at -20°C. Avoid repeated freeze/thaws.

Applications and Suggested Dilutions:

- Western blotting: Use 1:20-50 dilution and anti-mouse HRP.
- Immunohistochemistry: Use 1:20 on acetone fixed frozen sections can be followed by incubation with rabbit anti-mouse IgG and a monoclonal mouse APAAP complex.
- Immunocytochemistry: Use 1:20-50 dilution on acetone fixed cytospin 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.