



PRODUCT DATA SHEET

Product: Anti-MRP2/cMOAT mAb, clone M₂III-6

Cat. No.: MC-206 (1 mL)
MC-164 (0.5 mL)

Specificity:

M₂III-6 reacts with an internal epitope of human MRP2 (ABCC2), a 170-180 kDa transmembrane protein known as the canalicular multi-organic anion transporter (cMOAT), which is absent in humans with the Dubin-Johnson syndrome, an autosomal recessive liver disorder characterized by chronic conjugated hyperbilirubinemia. MRP2 is closely related to the multidrug resistance-related protein MRP. MRP2 is overexpressed in a subset of cisplatin-resistant cell lines. Does not cross-react with human *MDR1*, *MRP1*, *MRP3*, or *MRP5* gene products.

Species Reactivity:

Reacts with human and rat MRP2. Others not tested.

Ig Isotype:

Mouse IgG_{2a}

Immunogen:

Bacterial fusion protein of MRP2 containing the 202-amino acid COOH-terminal end of the protein.

Format:

0.5 mL or 1 mL Protein G purified monoclonal antibody at 100 µg/mL in PBS with protein stabilizer and 0.02% sodium azide.

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:

- Flow cytometry: Optimal conditions still to be determined.
- Immunocytochemistry: (Acetone-fixed cyto-spin preparations) Use at a 1:20-1:50 dilution.
- Immunohistochemistry: (Acetone-fixed frozen sections) Use at a 1:20 dilution, followed by incubation with rabbit anti-mouse IgG and a monoclonal mouse APAAP complex.
(Formaldehyde-fixed, paraffin-embedded tissues and tumors) Samples should be pretreated with 0.01 M citric acid (pH 6.0) in distilled water at 100°C for 10 min. Use MRP2 antibody at a 1:20 dilution. This can be followed by a biotinylated rabbit anti-mouse IgG and streptavidin conjugated to horseradish peroxidase.
- Western blot: Use at a 1:20-1:50 dilution, followed by anti-mouse HRP.

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.