PRODUCT DATA SHEET

Product: **Anti-MRP5, Clone M_5I-1**

Cat. No: **MC-169 (0.5 ml)**
MC-218 (1 ml)

Specificity:
Binds an internal epitope of human MRP5. Other species not tested. M_5I-1 does not cross-react with the human MDR1, MRP1, MRP2, or MRP3 gene products.

Ig Isotype: Rat IgG_{2a}

Immunogen:
A bacterial fusion protein containing amino acids 82-168 of human MRP5

Hybridoma:
Lymph node cells from an immunized rat (Wistar) fused with SP2/O mouse myeloma cells.

Format:
Serum free culture supernatant concentrated to 250 µg/ml, with 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/thaw.

Applications and Suggested Dilutions:
- Immunocytochemistry: Use a 1:20 to 1:50 dilution on acetone-fixed cytospin preparations.
- Immunohistochemistry: Use a 1:20 dilution on acetone-fixed frozen sections, followed by incubation with rabbit anti-rat IgG and monoclonal rat APAAP complex. Alternatively, after incubation with primary antibody and washing, slides can be incubated with biotinylated rabbit anti-rat IgG and streptavidin conjugated to horseradish peroxidase.
- Western blotting: Use a 1:20 to 1:50 dilution (with anti-rat-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.