



PRODUCT DATA SHEET

Product: Anti-MRP3 mAb, clone M₃II-9

Cat. No.: MC-216 (1 mL)

Specificity:

M₃II-9 reacts with an internal epitope of human MRP3 (ABCC3), a 190-200 kDa transmembrane protein that is closely related to the multidrug resistance protein MRP1. Does not cross-react with human *MDR1*, *MRP1*, *MRP2* or *MRP5* gene products.

Species Reactivity:

Human. Others not tested.

Ig Isotype:

Mouse IgG₁

Immunogen:

Bacterial fusion protein containing amino acids 830-949 of human MRP3.

Hybridoma:

Lymph node cells from an immunized mouse (Balb/c) fused with SP2/0 mouse myeloma cells.

Format:

1 mL (>200 tests) monoclonal antibody at ~250 µg IgG/mL in serum-free tissue culture supernatant with protein stabilizer and 0.1% sodium azide. Filtered through a 0.22 µm 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:

- Flow cytometry: Optimal conditions still to be determined.
- Immunocytochemistry: Use at a 1:20-1:50 dilution on acetone or formaldehyde-fixed cytospin preparations.
- Immunohistochemistry: Use at a 1:20 dilution on acetone-fixed frozen sections.
- 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.