



## PRODUCT DATA SHEET

**Product:** Anti-MRP3 mAb, clone M<sub>3</sub>II-21

**Cat. No.:** MC-217 (1 mL)

**Synonym:**

ABCC3

**Specificity:**

M<sub>3</sub>II-21 reacts with an internal epitope of human MRP3, a 190-200 kDa transmembrane protein that is closely related to the multi-drug 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 IgG<sub>2b</sub>

**Immunogen:**

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

**Hybridoma:**

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

**Format:**

1 mL (>200 tests) containing monoclonal antibody in serum-free tissue culture supernatant, with protein stabilizer and 0.1% sodium azide. Antibody concentration is approximately 250 µg Ig/mL. Sample has been filtered through a 0.22 µm filter.

Culture medium: RPMI-1640 supplemented with Nutridoma-SR. 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 defined.
- Immunocytochemistry: Use at a dilution of 1:20-1:50 on acetone or formaldehyde-fixed cytospin preparations.
- Immunohistochemistry: Use at a dilution of 1:20 on acetone-fixed frozen sections.
- Western Blot: Use at a dilution of 1:20-1:50 (tested with 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.