



PRODUCT DATA SHEET

Product: Anti-MRP5 mAb, clone M₅II-54

Cat. No: MC-219 (1 mL)
MC-170 (0.5 mL)

Synonyms:
ABCC5

Specificity:
M₅II-54 reacts with an internal epitope of human MRP5, a 190 - 200 kDa transmembrane protein that is closely related to the multi-drug resistance protein MRP. M₅II-54 does not cross-react with the human MDR1, MRP1, MRP2, or MRP3 gene products.

Species Reactivity:
Human, others not tested.

Ig Isotype:
Rat IgG_{2a}

Immunogen:
A bacterial fusion protein containing amino acids 722-910 of human MRP5.

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

Format:
1 mL (> 200 tests) or 0.5 mL (> 100 tests) in serum-free culture supernatant at a concentration of 250 µg Ig/mL (concentration by ELISA), with 0.1% sodium azide and protein stabilizer. Sample has been filtered through a 0.22 µm filter.

Culture Medium:
IMDM supplemented with Nutridoma-NS/SP. Medium does not contain serum or added enzymes.

Storage and Stability:

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:

- 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 blot: 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.