



PRODUCT DATA SHEET

Product: Anti-MRP4 mAb, clone M₄I-10

Cat. No.: MC-272 (1 mL)

Synonyms:

Multidrug Resistance Protein 4, ABCC4

Specificity:

MRP4 transports cyclic nucleotides and anti-retroviral compounds. Anti-MRP4 clone M₄I-10 reacts with human multidrug resistance protein 4 as well as with the mouse orthologue of the transporter molecule (Mrp4).

Ig Isotype:

Rat IgG_{2a}

Immunogen:

A fusion protein containing the *E. coli* maltose-binding protein and a fragment of the human MRP4 protein corresponding to amino acids 372-431.

Format:

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 and at -20°C for long term. Aliquot to avoid repeated freeze/thaw cycles.

Applications and Suggested Dilutions:

- Immunohistochemistry: For acetone-fixed frozen sections, use M₄I-10 at a 1:20 dilution followed by incubation with biotin-labeled rabbit anti-rat IgG and HRP-labeled streptavidin.
- Immunocytochemistry: For acetone-fixed cytospin preparations, use M₄I-10 at a 1:20-1:50 dilution.
- Western blot: Use at a 1:20-1:50 dilution followed by HRP-labeled anti-rat IgG.
- Flow cytometry: Optimal conditions still to be determined.

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.