

## PRODUCT DATA SHEET

**Product:** Anti-MRP5 mAb, clone M<sub>5</sub>I-10

**Cat. No.:** MC-1049 (1 mL)

**Synonyms:**  
ABCC5

**Specificity:**  
M<sub>5</sub>I-10 reacts with an internal epitope of MRP5, an approximately 160 kD transmembrane protein that is related to the multidrug resistance protein MRP1.

**Ig Isotype:**  
Rat IgG<sub>2a</sub>

**Immunogen:**  
A bacterial fusion protein of mouse Mrp5, containing amino acids 1-38 of the protein. The mAb also strongly reacts with the human MRP5 protein.

**Format:**  
1 mL (>200 tests) monoclonal antibody at ~250 µg IgG/mL in serum-free culture supernatant with protein stabilizer and 0.1% sodium azide.

**Storage:**  
Store at 4 °C.

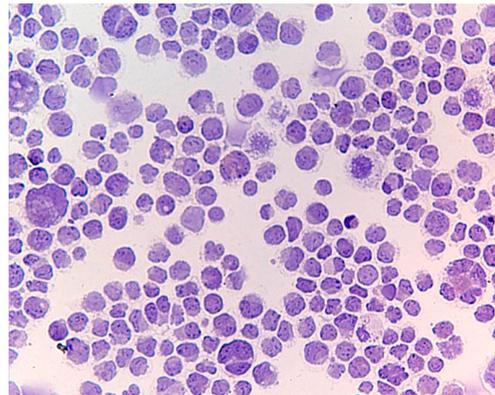
**Applications and Suggested Dilutions:**

- Immunohistochemistry: For acetone-fixed frozen sections, use at a 1:20 dilution followed by incubation with rabbit anti-rat Ig and a monoclonal rat APAAP complex. Alternatively, after incubation with M<sub>5</sub>I-10 at a 1:20 dilution and washing, slides can be incubated with biotinylated rabbit anti-rat Ig and streptavidin conjugated to horseradish peroxidase.
- Immunocytochemistry: For acetone-fixed cytospin preparations, use at a 1:20-1:50 dilution.
- Western blot: Use at a 1:20-1:50 dilution followed by anti-rat-HRP.
- Flow cytometry: Optimal conditions still to be determined.

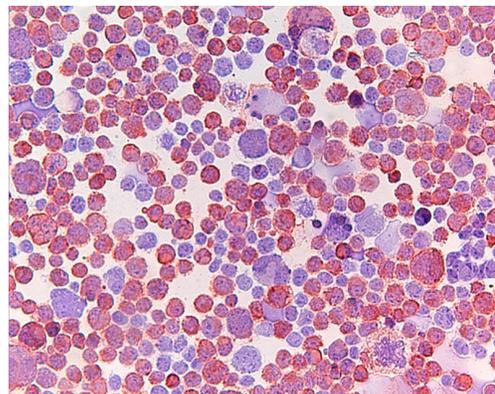
The optimal dilution for a specific application should be determined by the researcher.

MRP5 expression as determined by anti-MRP5 clone M<sub>5</sub>I-10

HEK cells



HEK cells transfected with MRP5



**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.