



PRODUCT DATA SHEET

Product: Anti-MRP6 mAb, clone M₆II-7

Cat. No.: MC-488 (1 mL)

Background:

M₆II-7 reacts with MRP6, a 190-200 kD transmembrane protein that is related to the multidrug resistance related protein MRP. Mutations in the MRP6 gene are responsible for the connective tissue disorder Pseudoxanthoma elasticum (PXE).

Specificity:

M₆II-7 did not cross-react with the human MDR1, MRP1, MRP2, MRP3, MRP4 and MRP5 gene products.

Species Reactivity:

Human, others not tested.

Ig Isotype:

Rat IgG_{2a}

Immunogen:

M₆II-7 was raised against a bacterial fusion protein of human MRP6, containing amino acids 764-964, spanning the putative 12th transmembrane region as well as predicted internal and external regions of the protein.

Hybridoma:

The hybridoma cell line was obtained by fusion of lymph node cells from an immunized rat (Wistar) with SP2/O mouse myeloma cells.

Format:

1 mL vial containing antibody in a serum-free culture supernatant with protein stabilizer and 0.1% sodium azide. The concentration is approximately 250 µg/mL. The culture medium is RPMI-1640 supplemented with Nutridoma-SR. The medium does not contain serum or added enzymes. The antibody solution has been filtered through a 0.22 micron filter.

Storage:

Store at 4°C short term. For long term, store at -20°C.

Applications and Suggested Dilutions:

- Immunocytochemistry: Use at approximately 1:20–50 dilution on acetone fixed cytospin preparations.
- Western blotting: Use at approximately 1:20-50 dilution and anti-rat-HRP.
- Immunohistochemistry: Use at approximately 1:20-50 on acetone fixed frozen sections, followed by incubation with rabbit anti-rat IgG and an APAAP complex. Unreactive on standard formaldehyde-fixed, paraffin-embedded material.
- Flow cytometry: Optimal conditions still to be defined.

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.