ABCC6

Rat Anti-Human ATP-Binding Cassette subfamily C (CFTR/MRP) member 6 Clone M6II-31 mAb

Catalog No.	MON9049	**Quantity:**	1 ml

Alternate Names: ABC34, ARA, EST349056, MLP1, MOATE, MRP6, PXE, PXE1, ATP-binding cassette, sub-family C, member 6, anthracycline resistance-associated

Description: M6II-31 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). M6II-31 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. M6II-7 did not cross-react with the human *MDR1, MRP1, MRP2, MRP3, MRP4, MRP5* gene products.

Concentration: Approximately 50 µg immunoglobulin/ml.

Gene ID: 368

Host: Rat

Isotype: IgG2a

Clone: M611-31

Formulation: 1 ml vials (>>200 tests) containing antibody in serum free culture supernatant, with 0.7% BSA and 0.1% Sodium azide. **Precaution:** Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.

Applications: M6II-21 can be used to detect human MRP6 in cells and tissues. Immunocytochemistry: use 1:20-50 dilution on acetone fixed cytospin preparations. For immunohistochemistry: M6II-31 (use 1:20-50) on acetone fixed frozen sections can be followed by incubation with rabbit anti-rat IgG (1:25, Dako) and an APAAP complex (1:50, Dako). M6II-31 can be used on formaldehyde-fixed paraffin-embedded human tissues, after pretreatment with 0.01 M citric acid (pH 6.0) in distilled water at 100 C for 10 minutes. After incubation of M6II-31 (use 1:20) and washing, slides can be incubated with biotinylated rabbit anti-rat IgG (1:100, Jackson, West Grove) and streptavidin conjugated to horseradish peroxidase (1:500, Zymed, San Francisco, CA). Flow cytometry: optimal conditions still to be defined. Western blotting: use 1:20-50 dilution and anti-rat-HRP.

Safety Information: **MAb producing cells:** The hybridoma cell line was obtained by fusion of lymph node cells from an immunized rat (Wistar) with SP2/O mouse myeloma cells.
Culture medium: RPMI-1640 (Gibco, Paisley, Scotland UK), supplemented with Nutridoma-SR (Boehringer, Indianapolis, USA). The medium does not contain serum nor added enzymes. The antibody solution has been filtered through a 0.22 micron filter.
NOTE: this monoclonal antibody has been produced in a clinical laboratory in which no animal viruses are being studied or cultured.

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