

## ABCC2

# Mouse Anti-Human Multidrug Resistance Protein 2 Clone M2II-12 mAb

<b>Catalog No.</b>	MON9032	<b>Quantity:</b>	1 ml
<b>Alternate Names:</b>	ABC30, CMOAT, DJS, KIAA1010, MRP2, cMRP, canalicular multispecific organic anion transporter		
<b>Description:</b>	M2II-12 reacts with an internal epitope of cMOAT/MRP2, a 190-200 kD transmembrane protein known as the canalicular multi-organic anion transporter, absent in patients with the Dubin-Johnson syndrome, an autosomal recessive liver disorder characterized by chronic conjugated hyperbilirubinemia. cMOAT/MRP2 is closely related to the multidrug resistance related protein MRP, and cMOAT/MRP2 overexpression has been observed in a subset of cisplatin resistant cell lines. M2II-12 was raised against a bacterial fusion protein of cMOAB/MRP2, containing amino acids 860-950 of the protein. M2II-12 did not cross react with the human <i>MDR1</i> , <i>MRP1</i> , <i>MRP3</i> and <i>MRP5</i> gene products.		
<b>Concentration:</b>	Approximately 250µg Ig/ml.		
<b>Gene ID:</b>	1244		
<b>Host:</b>	Mouse		
<b>Isotype:</b>	IgG2a		
<b>Clone:</b>	M2II-12		
<b>Formulation:</b>	1 ml vials (>> 200 tests) containing antibody in serumfree culture supernatant, with 0.7% BSA and 0.1% sodium azide. <b>Precaution:</b> Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
<b>Applications:</b>	M2II-12 has potential value for detection of MRP2-mediated drug-resistance in human tumor samples. Immunocytochemistry: use 1:20-50 dil. on acetone fixed cytospin preparations. For immunohistochemistry: M2II-12 (use 1:20) on acetone fixed frozen sections can be followed by incubation with rabbit anti mouse IgG and a monoclonal mouse APAAP complex. Flow cytometry: optimal conditions still to be established. Western blotting: use 1:20-50 dil, and anti-mouse HRP.		
<b>Safety Information:</b>	<b>Mab producing cells:</b> The hybridoma cell line was obtained by fusion of lymph node cells from an immunized mouse (Balb/c) with SP2/O mouse myeloma cells. <b>Culture medium:</b> 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. <b>NOTE:</b> This monoclonal antibody has been produced in a clinical laboratory in which no animal viruses are being studied or cultured.		

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