

## ABCC2

### Mouse Anti-Human MRP2 Clone M2III-6 mAb

<b>Catalog No.</b>	MON9027	<b>Quantity:</b>	1 ml
<b>Alternate Names:</b>	Multidrug Resistance Protein 2, ATP-binding cassette sub-family C (CFTR/MRP) member 2, DJS, MRP2, cMRP, ABC30, CMOAT		
<b>Description:</b>	<p>Mouse Anti-Human MRP2 Clone M2III-6 monoclonal antibody.</p> <p>M2III-6 reacts with an internal epitope of cMOAT/MRP2, a 170-180 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.</p> <p>M2III-6 was raised against a bacterial fusion protein of cMOAB/MRP2, containing the 202-amino acid COOH terminal end of the protein.</p>		
<b>Gene ID:</b>	1244		
<b>Hybridoma:</b>	Lymph node cells from an immunized BALB/c mouse x SP2/O mouse myeloma cells.		
<b>Specificity:</b>	Human Multidrug Resistance Protein 2		
<b>Host:</b>	Mouse		
<b>Immunogen:</b>	Recombinant Human MRP2		
<b>Isotype:</b>	IgG2a		
<b>Clone:</b>	M2III-6		
<b>Formulation:</b>	<p>Liquid with approximately 250 µg immunoglobulin/ml + 0.7% BSA + 0.1% Sodium Azide. The culture medium for production did not contain serum or added enzymes. The antibody solution has been filtered through a 0.22 micron filter. Sufficient for at least 200 tests. <b>Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.</b></p>		
<b>Cross-Reactivity:</b>	M2III-6 does not cross react with the human MDR1, MRP1, MRP3 and MRP5 gene products.		
<b>Applications:</b>	M2III-6 has potential value for detection of MRP2-mediated drug-resistance in human tumor samples.		

**Application Notes:**

Immunocytochemistry: use 1:20-50 dilution on acetone fixed cytospin preparations.  
Immunohistochemistry: M2III-6 (use 1:20) on acetone fixed frozen sections can be followed by incubation with rabbit anti mouse IgG and a monoclonal mouse APAAP complex. M2III-6 can also be used on formaldehyde-fixed paraffin-embedded human tissues and tumours, after pretreatment with 0.01 M citric acid (pH 6.0) in distilled water at 100°C for 10 min. After incubation of M2III-6 (use 1:20) and washing, slides can be incubated with biotinylated rabbit anti mouse IgG and streptavidin conjugated to horseradish peroxidase.

Flow cytometry: optimal conditions still to be established.

Western blotting: use 1:20-50 dilution, and anti-mouse HRP.

The optimal concentration should be determined by the user for each specific application.

**Storage & Stability:**

Store at 4°C for 3 months and at -20°C for extended storage. **Avoid repeated freeze-thaw cycles.**

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**

