

Product datasheet for **AM32024SU-N**

MRP2 (ABCC2) Mouse Monoclonal Antibody [Clone ID: M2III-5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	M2III-5
Applications:	IF, IHC, WB
Recommended Dilution:	Western blotting: Use at 1/20-50 and anti-Mouse-HRP. Flow Cytometry: Optimal conditions still to be defined. Immunocytochemistry: Use at 1/20-50 on Acetone Fixed Cytospin preparations. Immunohistochemistry on Frozen Sections: 1/20 on Acetone Fixed Frozen Sections can be followed by incubation with Rabbit anti-Mouse IgG (1/25) and a Monoclonal Mouse APAAP complex (1/50). Immunohistochemistry on Paraffin Sections: M2III-5 can also be used on Formaldehyde-Fixed Paraffin-Embedded Human tissues and tumours, after pretreatment with 0.01M Citric acid (pH 6.0) in distilled water at 100°C for 5 min 3 times. After incubation of M2III-5 (use 1/20) and washing, slides can be incubated with Biotinylated Rabbit anti-Mouse IgG (1/100) and streptavidin conjugated to Horseradish Peroxidase (1/500). M2III-5 has potential value for detection of MRP2-mediated drug-resistance in Human tumor samples.
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	A fusion protein of the bacterial maltose binding protein and Rat Mrp2, containing the 202-amino acid COOH terminal end of the transporter protein.
Specificity:	This Monoclonal antibody <i>clone M2III-5</i> reacts with an internal epitope of MRP2. The Mab detects Rat, Mouse and Human MRP2. M2III-5 does not cross-react with the Human MDR1 P-gp, MRP1, MRP3 or MRP5 gene products.
Formulation:	State: Supernatant State: Serum Free Culture Supernatant (1 ml >> 200 Tests) Stabilizer: 0.7% BSA Preservative: 0.09% Sodium Azide
Concentration:	lot specific



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Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	ATP binding cassette subfamily C member 2
Database Link:	Entrez Gene 1244 Human Q92887
Background:	MRP2 is a 190-200 kD transmembrane protein earlier known as the canalicular multi-organic anion transporter cMOAT, absent in patients with the Dubin-Johnson syndrome, an autosomal recessive liver disorder characterized by chronic conjugated hyperbilirubinemia. MRP2 is a member of the MRP family of multidrug resistance related proteins, and MRP2 overexpression has been observed in a subset of cisplatin resistant cell lines.
Synonyms:	CMOAT1, CMRP, Multidrug resistance-associated protein 2