

Product datasheet for **AM32053SU-N**

MRP1 (ABCC1) Rat Monoclonal Antibody [Clone ID: MRPr1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MRPr1
Applications:	IF, IHC, WB
Recommended Dilution:	Flow Cytometry: Use at least 1/20-1/50. Cell permeabilization required with 10% lysing solution followed by primary antibody and anti-Rat-FITC. Western blotting: Use at least 1/20-1/50. Use an anti-Rat HRP. Immunocytochemistry: Use at least 1/20-1/50 on Aceton fixed cell preparation. Immunohistochemistry on Acetone-Fixed Frozen Sections: at least 1/20-1/50. Immunohistochemistry on Formalin-Fixed Paraffin Embedded Tissues: 1/20. Pretreatment (0.01M Citrate, 10 min. at 100°C) may increase the performance of this antibody.
Reactivity:	Human
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Bacterial fusion protein of MRP, containing a segment of 168 amino acids (aa 192-360) in the amino-proximal half of the protein.
Specificity:	This Monoclonal antibody <i>MRPr1</i> reacts with an epitope of MRP, a 180-195 kD transmembrane transporter protein overexpressed in various Human non-P-glycoprotein MDR tumor cell lines. It does not cross-react with the Human MDR1 and <i>MDR3</i> gene products (See Flens et al. 1994).
Formulation:	State: Supernatant State: Serum-Free Tissue Culture Supernatant Stabilizer: 1% BSA Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated



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Storage:	Store the antibody undiluted at 2-8°C for 3 months 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 1
Database Link:	Entrez Gene 4363 Human P33527
Background:	MRP1 (also known as ABCC, GS-X, ABC29) functions as a multispecific organic anion transporter, with (oxidized) glutathione, cysteinyl leukotrienes, and activated aflatoxin B1 as substrates. This protein also transports glucuronides and sulfate conjugates of steroid hormones and bile salts. It also transports drugs and other hydrophobic compounds in presence of glutathione. MRP1 protein is found predominantly in the heart, lung, small intestine, brain, and skin.
Synonyms:	Multidrug resistance-associated protein 1, LTC4 transporter