

Product datasheet for **AM32054SU-N**

MRP1 (ABCC1) Mouse Monoclonal Antibody [Clone ID: MRPm6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MRPm6
Applications:	IF, IHC, WB
Recommended Dilution:	Flow Cytometry: 1/20-1/50. Cell permeabilization required with 10% lysing solution followed by primary antibody and anti-Mouse-FITC. Western blotting: 1/20-1/50. Immunocytochemistry on Aceton-Fixed Cell Preparation: 1/20-1/50. Immunohistochemistry on Acetone-Fixed Frozen Sections: 1/20-1/50, Immunocytochemistry on Formalin-Fixed Paraffin Embedded Tissues 1/20. Microwave pretreatment (0.01M Citrate Buffer, 10min at 100°C) may increase the performance of this antibody.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Bacterial fusion protein of MRP, containing a segment of 170 amino acids in the carboxy terminal end and part of the carboxy proximal nucleotide binding domain of the protein.
Specificity:	This Monoclonal antibody <i>MRPm6</i> reacts with an internal epitope of MRP, a 180-195 kD transmembrane transporter protein overexpressed in various Human non-P-glycoprotein MDR tumor cell lines. <i>MRPm6</i> does not cross react with the Human <i>MDR1</i> and <i>MDR3</i> gene products (Flens et al. 1994).
Formulation:	State: Supernatant State: Serum-Free Tissue Culture Supernatant Stabilizer: 0.7% 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 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 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
Note:	<p>Mab producing cells: The hybridoma cell line was obtained by fusion of lymph node cells from an immunized mouse (Balb/C) with SP2/0 mouse myeloma cells.</p> <p>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.</p> <p>NOTE: This monoclonal antibody has been produced in a clinical laboratory in which no animal viruses are being studied or cultured.</p>