

Product datasheet for **AM32047SU-N**

MRP3 (ABCC3) Mouse Monoclonal Antibody [Clone ID: M3II-9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	M3II-9
Applications:	IF, IHC, WB
Recommended Dilution:	Western blotting: Use 1/20-1/50 dilution and anti Mouse HRP Immunocytochemistry: Use 1/20-1/50 on acetone or formaldehyde fixed cytospin preparations. Immunohistochemistry on Acetone Fixed Frozen Sections: 1/20. This Monoclonal antibody <i>M3II-9</i> has potential value for detection of MRP3-mediated drug-resistance in Human tumor samples.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Bacterial fusion protein of MRP3, containing amino acids 830-949 of the protein.
Specificity:	This Monoclonal antibody <i>M3II-9</i> reacts with an internal epitope of MRP3, a 190-200 kD transmembrane protein that is closely related to the multidrug resistance protein MRP1. It does not cross-react with the Human <i>MDR1</i> , <i>MRP1</i> , <i>MRP2</i> or <i>MRP5</i> gene products.
Formulation:	State: Supernatant State: Serum Free Tissue Culture Supernatant Stabilizer: 0.7% BSA Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store 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 3



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Background: Human multidrug-resistance protein (MRP) gene family is composed of multiple members including MRP 1, MRP 2 or cMOAT and four other homologous genes called MRP 3, MRP 4, MRP 5 and MRP 6. Canalicular Multi Organic Anion Transporter 2 / Multidrug Resistance Associated Protein 3 (cMOAT 2 / MRP 3) has a molecular weight of 190-200 kD. MRP3 is closest to MRP1 with 58% amino acid identity. MRP 3 has been shown to be mainly expressed in the liver, colon, intestine, adrenal gland and, to a lower extent, in several other tissues.

Synonyms: Multidrug resistance-associated protein 3, MLP2

Note: **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.
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.
NOTE: This monoclonal antibody has been produced in a clinical laboratory in which no animal viruses are being studied or cultured.