

**MOUSE ANTI-MDR-1 [P-GLYCOPROTEIN]
MONOCLONAL ANTIBODY**

CATALOG NUMBER:	MAB4162	QUANTITY:	100 µg
LOT NUMBER:		CONCENTRATION:	1 mg/mL
ALTERNATE NAMES:	P-Glycoprotein; Pgp; CD243; p170	EPITOPE:	Extracellular human specific Pgp
CLONE NAME:	MM4.17	HOST/ISOTYPE:	Mouse IgG _{2a/k}
SPECIFICITY:	MDR-1 clone MM4.17 recognizes a mapped epitope in the extracellular Pgp domain and detects low-level Pgp expression in living (intact) human MDR cells (Cianfriglia, 2002). The epitope has been mapped to the single amino acid level using different techniques (Cianfriglia, 1994 and Poloni, 1995).		
IMMUNOGEN:	Living intact human multidrug-resistant cells		
APPLICATIONS:	Flow Cytometry Immunohistochemistry on formalin fixed paraffin embedded sections Confocal and Electron Microscopy ELISA <i>Optimal working dilutions must be determined by the end user.</i>		
SPECIES REACTIVITIES:	Human		
FORMAT:	Purified immunoglobulin from Protein A Sepharose chromatography.		
PRESENTATION:	Liquid in 0.02M phosphate buffer, pH 7.6, 0.25M NaCl containing 0.1% sodium azide.		
STORAGE/HANDLING:	Maintain at 2-8°C in undiluted aliquots for up to 6 months from date of receipt.		
REFERENCES:	Cianfriglia M, <i>et al.</i> (1994). P-glycoprotein epitope mapping. I. Identification of a linear human-specific epitope in the fourth loop of the P-glycoprotein extracellular domain by MM4.17 murine monoclonal antibody to human multi-drug-resistant cells. <i>Int J Cancer</i> . Jan 2;56(1):153-60. Poloni F, <i>et al.</i> (1995). <i>Physiol Chem Phys Med NMR</i> . 27(4):271-80. Cianfriglia M, <i>et al.</i> (2002). Monoclonal antibodies as a tool for structure-function studies of the MDR1-P-glycoprotein. <i>Curr Protein Pept Sci</i> . Oct;3(5):513-30.		
Important Note:	<i>During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.</i>		

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