

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

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<b>CATALOG NUMBER:</b>	MAB4161	<b>QUANTITY:</b>	100 µg
<b>LOT NUMBER:</b>		<b>CONCENTRATION:</b>	1 mg/mL
<b>ALTERNATE NAMES:</b>	P-Glycoprotein; Pgp; CD243; p170	<b>EPITOPE:</b>	Extracellular human specific Pgp
<b>CLONE NAME:</b>	MM12.10	<b>HOST/ISOTYPE:</b>	Mouse IgG <sub>2a/k</sub>
<b>SPECIFICITY:</b>	MDR-1 clone MM12.10 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 (Romagnoli, 1999).		
<b>IMMUNOGEN:</b>	Living intact human multidrug-resistant cells		
<b>APPLICATIONS:</b>	Immunohistochemistry on formalin fixed paraffin embedded sections Confocal and Electron Microscopy ELISA Functional Studies (Cianfriglia, 2002) <i>Optimal working dilutions must be determined by the end user.</i>		
<b>SPECIES REACTIVITIES:</b>	Human		
<b>FORMAT:</b>	Purified immunoglobulin from Protein A Sepharose chromatography.		
<b>PRESENTATION:</b>	Liquid in 0.02M phosphate buffer, pH 7.6, 0.25M NaCl containing 0.1% sodium azide.		
<b>STORAGE/HANDLING:</b>	Maintain at 2-8°C in undiluted aliquots for up to 6 months from date of receipt.		
<b>REFERENCES:</b>	Romagnoli G, <i>et al.</i> (1999). Epitope mapping of the monoclonal antibody MM12.10 to external MDR1 P-glycoprotein domain by synthetic peptide scanning and phage display technologies. <i>Biol Chem.</i> May;380(5):553-9. Nagy H, <i>et al.</i> (2001). <i>Eur J Biochem.</i> Apr;268(8):2416-20. 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.		
<b>Important Note:</b>	<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>		

*For research use only; not for use as a diagnostic.*