



Mouse monoclonal antibody to P Glycoprotein [PG-13]: IgG

Catalogue No.:	M-1214-100
Description:	P Glycoprotein belongs to the MDR/TAP subfamily of ATP-binding cassette (ABC) transporters. P Glycoprotein is an ATP-dependent drug efflux pump expressed in liver, kidney, small intestine and brain. It is responsible for decreased drug accumulation in multidrug-resistant cells. Genetic variation in P Glycoprotein is thought to play a role in patients who do not respond to drug treatment. P Glycoprotein also functions as a transporter in the blood-brain barrier.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	Human and hamster drug-resistant whole cells and crude plasma membranes
Clone:	PG-13
Other Names:	Multidrug resistance protein 1; ATP-binding cassette sub-family B member 1; P-glycoprotein 1; CD243; ABCB1; MDR1; PGY1;
Accession:	P08183 MDR1_HUMAN;
Produced in:	Mouse
Purity:	IgG1
Applications:	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 0.5-1.0 ug/mL is recommended for WB. Human P Glycoprotein has a predicted length of 1280 residues and MW of 141 kDa. A concentration of 1.0-2.0 ug/mL is recommended for IHC to detect the protein in formalin fixed and paraffin embedded tissues. Heat mediated antigen retrieval is required. A concentration of 1.0-2.0 ug/mL is recommended for IHC to detect the protein in formalin/acetone fixed frozen tissues. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
Cross-reactivity:	Human;
Form:	Lyophilized from 1.2% sodium acetate, 2mg BSA, 0.01mg NaN ₃
Reconstitution:	Reconstitute in 1 mL of PBS (pH 7.4) to achieve an antibody concentration of 100 ug/mL. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.
Expiry Date:	12 months after purchase

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