

Product datasheet for **AM20661PU-N**

P Glycoprotein (ABCB1) Mouse Monoclonal Antibody [Clone ID: PG-13]

Product data:

Product Type:	Primary Antibodies
Clone Name:	PG-13
Applications:	IF, IHC, WB
Recommended Dilution:	Western Blot: 0.5 - 1 µg/ml. Immunohistochemistry on paraffin and frozen sections: 1 - 2 µg/ml. Immunocytochemistry.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	A mixture of human and hamster drug-resistant whole cells and crude plasma membranes.
Specificity:	This antibody reacts to CD243 / MDR1.
Formulation:	1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative. State: Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore with 1.2% sodium acetate or neutral PBS
Concentration:	0,1 mg/ml (after reconstitution with PBS)
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution 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 B member 1
Database Link:	Entrez Gene 5243 Human P08183



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Background:	P-Glycoprotein,, also known as Multidrug Resistance 1 (MDR1), is one of the ATP-binding cassette transporters family. P-glycoprotein-1 is involved in the transport of 3 of these protease inhibitors in vitro.MDR1 gene is mapped to the 7q21.1 by in situ hybridization. The MDR1 gene product, P-glycoprotein,mediates the transport of the cardiac glycoside, digoxin.
Synonyms:	Multidrug resistance protein 1, P-glycoprotein 1, ABCB1, PGY1
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
Protein Pathways:	ABC transporters