



## Product Information Sheet

### Monoclonal Anti-P-Glycoprotein (MDR) - Magnetic Bead Conjugate

**Catalogue No.** MA1060-M

**Immunogen**

**Lot No.** 08A12

A mixture of human and hamster drug-resistant whole cells and crude plasma membranes.

**Clone:** PG-13

**Purification**

Purified by the goat anti-mouse IgG affinity chromatography.

**Ig type:** mouse IgG1

**Formulation**

**Size:** 200µl

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN<sub>3</sub>.

**Specificity**

Human.

No cross reactivity with other proteins.

**Storage**

Store at 4°C for frequent use.

**Recommended application**

*Immunoprecipitation(IP)*

**Description**

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

### 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

### REFERENCE

1. Callen, D. F.; Baker, E.; Simmers, R. N.; Seshadri, R.; Roninson, I. B. : Localization of the human multiple drug resistance gene, MDR1, to 7q21.1. *Hum. Genet.* 77: 142-144, 1987.
2. de Lannoy, I. A. M.; Silverman, M. : The MDR1 gene product, P-glycoprotein, mediates the transport of the cardiac glycoside, digoxin. *Biochem. Biophys. Res. Commun.* 189: 551-557, 1992.

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