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Datasheet for ABIN2967169 **anti-ABCB1 antibody (PE)**

1 Image

Overview

Quantity:	100 tests
Target:	ABCB1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ABCB1 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	NIH 3T3 cells transfected with human CD243 (MDR-1) cDNA
Clone:	UIC2
Isotype:	IgG2a kappa
Specificity:	The mouse monoclonal antibody UIC2 recognizes an extracellular epitope on CD243 (MDR-1), an approximately 170 kDa ABC transporter expressed on hematopoietic stem cells, B, T, and NK cells, or on many multidrug resistant cancer cells. This antibody preferentially recognizes CD243 in the process of transporting substrate.
No Cross-Reactivity:	Mouse, Rat
Cross-Reactivity (Details):	Human
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

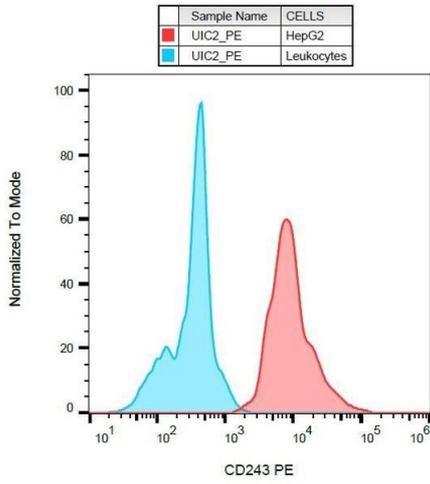
Target:	ABCB1
Alternative Name:	CD243 (ABCB1 Products)
Background:	ATP binding cassette subfamily B member 1,CD243, also known as multidrug resistant protein 1 (MDR-1) or P-glycoprotein (Pgp) is an ATP binding cassette (ABC)-containing efflux transporter for xenobiotic lipophilic compounds with broad substrate specificity. It is responsible for decreased drug accumulation in multidrug-resistant cells and often mediates the development of resistance to anticancer drugs. This protein also functions as a transporter in the blood-brain barrier. It is expressed in many tissues, including the brain, liver, pancreas, testes, kidney, and blood (B, T, NK cells, but not monocytes).,P-Glycoprotein, CLCS, MDR1, PGY1, ABC20, GP170, ABCB1, ABC transporter
Gene ID:	5243
UniProt:	P08183

Application Details

Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µL reagent / 100 µL of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Comment:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Restrictions:	For Research Use only

Handling

Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.



Flow Cytometry

Image 1. Surface staining of HepG2 cells with anti-CD243 (clone UIC2) PE.