

## 30-2381: Anti-CD243 / MDR-1 Monoclonal Antibody (Clone:UIC2)-PE Conjugated

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	UIC2
<b>Application :</b>	FACS, IP, IHC, IHC-Fr, Functional Assay
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	PE
<b>Gene :</b>	ABCB1
<b>Gene ID :</b>	5243
<b>Uniprot ID :</b>	P08183
<b>Alternative Name :</b>	ABCB1,MDR1,PGY1
<b>Isotype :</b>	Mouse IgG2a
<b>Immunogen Information :</b>	NIH 3T3 cells transfected with human CD243 (MDR-1) cDNA

### Description

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).

### Product Info

<b>Amount :</b>	100 tests
<b>Storage condition :</b>	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

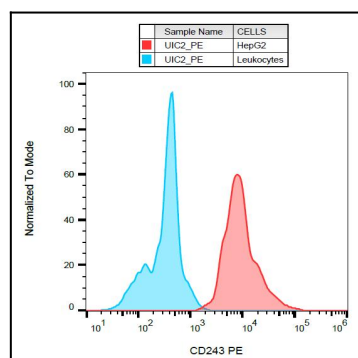


Figure 1: Surface staining of HepG2 cells with anti-CD243 (clone UIC2) PE.