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

Clonality: Monoclonal

Clone Name : UIC2

**Application :** FACS, IP, IHC, IHC-Fr, Functional Assay

 Reactivity :
 Human

 Conjugate :
 PE

 Gene :
 ABCB1

 Gene ID :
 5243

 Uniprot ID :
 P08183

Alternative Name : ABCB1,MDR1,PGY1

**Isotype:** Mouse IgG2a

Immunogen Information: 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**

Amount: 100 tests

**Storage condition :** Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

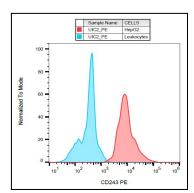


Figure 1: Surface staining of HepG2 cells with anti-CD243 (clone UIC2) PE.