

### 30-1552: Anti-CD243 / MDR-1 Monoclonal Antibody (Clone:UIC2)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	UIC2
<b>Application :</b>	FACS, IP, IHC, IHC-Fr, Functional Assay
<b>Reactivity :</b>	Human
<b>Gene :</b>	ABCB1
<b>Gene ID :</b>	5243
<b>Uniprot ID :</b>	P08183
<b>Format :</b>	Purified
<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>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

#### Application Note

**Flow Cytometry Immunoprecipitation Immunohistochemistry** *Application note:* heat mediated antigen retrieval in citrate buffer pH 6

**Immunohistochemistry (frozen sections) Functional Application** inhibition