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# 30-1661: Anti-CD243 / MDR-1 Monoclonal Antibody (Clone:UIC2)-Low Endotoxin

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|---|---|
| **Clonality :** | Monoclonal |
| **Clone Name :** | UIC2 |
| **Application :** | FACS, IP, IHC, IHC-Fr, Functional Assay |
| **Reactivity :** | Human |
| **Gene :** | ABCB1 |
| **Gene ID :** | 5243 |
| **Uniprot ID :** | P08183 |
| **Format :** | Low Endotoxin |
| **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

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| **Amount :** | 0.1 mg |
| **Purification :** | Purified by protein-A affinity chromatography |
| **Storage condition :** | 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

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***