

## Mouse anti-Human CD243 Monoclonal Antibody | anti-CD243 antibody

Anti-Hu CD243 APC

|                               |                      |                            |                                                         |
|-------------------------------|----------------------|----------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA129024</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Flow Cytometry, Functional Assay</b> |
|-------------------------------|----------------------|----------------------------|---------------------------------------------------------|

### PRODUCT SYNONYMS

CD243; Monoclonal Antibody; Anti-Hu CD243 APC; ATP binding cassette subfamily B member 1; P-Glycoprotein; CLCS; MDR1; PGY1; ABC20; GP170; ABCB1; ABC transporter; anti-CD243 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                                                                                                                                                                                                                             |
| Reactivity                                      | Human                                                                                                                                                                                                                                                                                                                             |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                                                                                        |
| Isotype                                         | IgG2a kappa                                                                                                                                                                                                                                                                                                                       |
| Clone Number                                    | UIC2                                                                                                                                                                                                                                                                                                                              |
| 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. |
| Purity/Purification                             | The purified antibody is conjugated with allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.                                                                                                                                                                              |
| Form/Format                                     | Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide                                                                                                                                                                                                                                                |
| Sequence Length                                 | 1280                                                                                                                                                                                                                                                                                                                              |
| Applicable Applications for anti-CD243 antibody | FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                         |
| Immunogen                                       | NIH 3T3 cells transfected with human CD243 (MDR-1) cDNA                                                                                                                                                                                                                                                                           |
| Negative Species                                | Mouse, Rat                                                                                                                                                                                                                                                                                                                        |
| Conjugation                                     | APC                                                                                                                                                                                                                                                                                                                               |
| Preparation and Storage                         | Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.                                                                                                                                                                                                                                              |

### ADDITIONAL INFORMATION

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| Related Product Information for anti-CD243 antibody | 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). |
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### NCBI AND UNIPROT INFORMATION

|                  |                             |
|------------------|-----------------------------|
| NCBI GI #        | <a href="#">42741659</a>    |
| NCBI GeneID      | <a href="#">5243</a>        |
| NCBI Accession # | <a href="#">NP_000918.2</a> |

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| NCBI GenBank Nucleotide #        | <a href="#">NP_000918.2</a>                 |
| UniProt Accession #              | <a href="#">P08183</a>                      |
| NCBI Official Full Name          | ATP-dependent translocase ABCB1 isoform 2   |
| NCBI Official Synonym Full Names | ATP binding cassette subfamily B member 1   |
| NCBI Official Symbol             | ABCB1                                       |
| NCBI Official Synonym Symbols    | CLCS; MDR1; P-GP; PGY1; ABC20; CD243; GP170 |
| NCBI Protein Information         | ATP-dependent translocase ABCB1             |
| UniProt Protein Name             | Multidrug resistance protein 1              |
| UniProt Gene Name                | <b>ABCB1</b>                                |
| UniProt Synonym Gene Names       | MDR1; PGY1                                  |
| UniProt Entry Name               | MDR1_HUMAN                                  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd243-antibody-clone-uic2-flow-cytometry-elisa/129024>