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

Anti-Hu CD243 APC

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA129024	**Mouse**	**Human**	**Flow Cytometry, Functional Assay**

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

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).

NCBI AND UNIPROT INFORMATION

NCBI GI #	42741659
NCBI GeneID	5243
NCBI Accession #	NP_000918.2

NCBI GenBank Nucleotide #	NP_000918.2
UniProt Accession #	P08183
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	**ABCB1**
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/monoclonal/cd243-antibody-clone-uic2-flow-cytometry-elisa/129024