

Mouse anti-Human ABCB1 Monoclonal Antibody | anti-ABCB1 antibody

Mouse anti-Homo sapiens (Human) ABCB1 Monoclonal antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA279042	Mouse	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Western Blot, ELISA

PRODUCT SYNONYMS

ABCB1; Monoclonal Antibody; Mouse anti-Homo sapiens (Human) ABCB1 Monoclonal antibody; ABCB1 Monoclonal Antibody; ABC20; ATP binding cassette; sub family B (MDR/TAP); member 1; ATP-binding cassette sub-family B member 1; CD243; CLCS; Colchicin sensitivity; Doxorubicin resistance; GP170; MDR1; MDR1_HUMAN; Multidrug resistance 1; Multidrug resistance protein 1; P glycoprotein 1; P gp; P-glycoprotein 1; PGY1; anti-ABCB1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	5C12D3
Purity/Purification	>95%, Protein A purified
Form/Format	Liquid; PBS, 0.1% sodium azide, 50% glycerol, pH 7.3.
Applicable Applications for anti-ABCB1 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), WB (Western Blot), ELISA
Immunogen Species	Human
Immunogen	Recombinant Human Calnexin protein (350-710AA)
Conjugation	Non-conjugated
Research Area	Signal Transduction
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



FCM/FACS (Flow Cytometry)

Overlay Peak curve showing HeLa cells stained with AAA279042 (red line) at 1:100. The cells were incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1ug/1*10⁶cells) for 1h at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1ug/1*10⁶cells) used under the same conditions. Acquisition of >10,000 events was performed.



IF (Immunofluorescence)

Immunofluorescence staining of HeLa cells with AAA279042 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).



IF (Immunofluorescence)

Immunofluorescence staining of HepG2 cells with AAA279042 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).



WB (Western Blot)

Western BlotPositive WB detected in: HepG2 whole cell lysate, 293 whole cell lysate, HeLa whole cell lysate, SY5Y whole cell lysate, U251 whole cell lysateAll lanes: ABCB1 antibody at 1:1000SecondaryGoat polyclonal to mouse IgG at 1/50000 dilutionPredicted band size: 141 kDaObserved band size: 141-250 kDaExposure time?5min

NCBI AND UNIPROT INFORMATION

NCBI GI #	42741659
NCBI GeneID	5243
NCBI Accession #	NP_000918.2
NCBI GenBank Nucleotide #	NM_000927.4
UniProt Accession #	P08183; Q12755; Q14812; A8K294
Molecular Weight	141kDa
NCBI Official Full Name	multidrug resistance protein 1
NCBI Official Synonym Full Names	ATP-binding cassette, sub-family B (MDR/TAP), member 1
NCBI Official Symbol	ABCB1
NCBI Official Synonym Symbols	CLCS; MDR1; P-GP; PGY1; ABC20; CD243; GP170
NCBI Protein Information	multidrug resistance protein 1; P-glycoprotein 1; colchicin sensitivity; doxorubicin resistance
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/abcb1-antibody-clone-5c12d3-flow-cytometry-immunofluorescence-western-blot-elisa/279042>