

CD243 Rabbit monoclonal antibody

Catalog: MB66371

Host: Rabbit

Reactivity: Human

BackGround:

MDR1/ABCB1 belongs to the Mdr/Tap subfamily of the ATP-binding cassette transporter superfamily. Multidrug resistance 1 (MDR1) serves as an efflux pump for xenobiotic compounds with broad substrate specificity. MDR1 substrates include therapeutic agents such as actinomycin D, etoposide, imatinib, and doxorubicin, as well as endogenous molecules including β -amyloids, steroid hormones, lipids, phospholipids, cholesterol, and cytokines. Research studies have shown that MDR1 reduces drug accumulation in cancer cells, allowing the development of drug resistance. On the other hand, MDR1 expressed in the plasma membrane of cells in the blood-brain, blood-cerebral spinal fluid, or blood-placenta barriers restricts the permeability of drugs into these organs from the apical or serosal side. MDR1 is also expressed in normal tissues with excretory function such as small intestine, liver, and kidney. Intracellular MDR1 has been detected in the ER, vesicles, and nuclear envelope, and has been associated with cell trafficking machinery. Other reported functions of MDR1 include viral resistance, cytokine trafficking, and lipid homeostasis in the peripheral and central nervous system.

Product:

Liquid in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA.

Molecular Weight:

~ 165 kDa

Swiss-Prot:

P08183

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of CD243 protein.

DATA:



Western blot analysis of CD243 expression in HeLa (A) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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