

Anti-Hu CD243 Purified ABCB1 Monoclonal Antibody

Catalog Number: M00049-2

About ABCB1

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).

Overview

Product Name	Anti-Hu CD243 Purified ABCB1 Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Hu CD243 Purified ABCB1 Monoclonal Antibody (Catalog# M00049-2). Tested in Flow Cytometry, IP, IHC-P, IHC-F application(s). This antibody reacts with Human.
Application	Flow Cytometry, IP, IHC-P, IHC-F
Clonality	Monoclonal UIC2
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	P08183

Technical Details

Immunogen	NIH 3T3 cells transfected with human CD243 (MDR-1) cDNA. 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.
Predicted Reactive Species	Primate
Isotype	Mouse IgG2a kappa
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Immunohistochemistry (paraffin sections): Heat mediated antigen retrieval in citrate buffer pH 6.

Flow cytometry: 1-4 µg/ml

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