



# Mouse Anti-Human MDR-1 Monoclonal Antibody, clone VJD3 [Functional Grade] (CABT-Z470M)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Immunogen</b>	3T3 fibroblasts transfected with human CD243 cDNA.
<b>Isotype</b>	IgG2a, κ
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human, Monkey
<b>Clone</b>	VJD3
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Functional Grade
<b>Applications</b>	IHC-P, BL, Depletion
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	1 mg
<b>Buffer</b>	PBS, pH 7.0. Contains no stabilizers or preservatives. Endotoxin Level<0.002 EU/μg by the LAL method.
<b>Preservative</b>	None
<b>Storage</b>	Store at the stock concentration at 4°C. Do not freeze.

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Ship

Wet ice

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## BACKGROUND

**Introduction**

MDR-1 is a 170-180 kDa transmembrane glycoprotein that is expressed by epithelial and endothelial cells, and at low levels by T cells, B cells, NK cells, and hematopoietic stem cells. It is thought to be expressed at high levels by multidrug resistant (MDR) tumor cells. MDR-1 is an ATP-dependent efflux pump for a large variety of molecules and drugs. This efflux activity has been suggested to lead to resistance to chemotherapy drugs.

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**Keywords**

ABCB1;ATP-binding cassette, sub-family B (MDR/TAP), member 1;CLCS, colchicin sensitivity, MDR1, PGY1;multidrug resistance protein 1;ABC20;CD243

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## GENE INFORMATION

Gene Name ABCB1

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Entrez Gene ID [5243](#)

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UniProt ID [A4D1D2](#)

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