

Product Datasheet

MDR1/ABCB1 Antibody (JSB-1)

NBP1-51768

Unit Size: 0.25 ml

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

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NBP1-51768**MDR1/ABCB1 Antibody (JSB-1)**

Product Information	
Unit Size	0.25 ml
Concentration	0.25 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	JSB-1
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Sterile filtered
Buffer	PBS containing 0.1% bovine serum albumin.
Product Description	
Host	Mouse
Gene ID	5243
Gene Symbol	ABCB1
Species	Human, Hamster, Mouse (Negative), Rat (Negative)
Specificity/Sensitivity	The antibody JSB-1 reacts with a conserved cytoplasmic epitope of the plasma membrane-associated 170-180 kD glycoprotein, the expression of which is strongly correlated with the degree of multi-drug-resistance (MDR) derived MDR cell lines and human MDR cell lines, including cell lines derived from lung, ovaries and B cell lymphomas. cross reacts with chinese hamster. No cross reactivity with mouse or rat.
Immunogen	The antibody reacts with P Glycoprotein.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, In vitro assay
Recommended Dilutions	Western Blot 1:10, Flow Cytometry 1:10, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:20, Immunohistochemistry-Paraffin 1:20, Immunohistochemistry-Frozen 1:20, In vitro assay
Application Notes	JSB-1 has potential value for diagnostic detection of MDR cells in human tumor samples. Optimal staining results are obtained with routine 2-step ABC or APAAP methods using acetone-fixed cytocentrifuge preparations or cryostat sections. In vitro assay (PMID: 21889999)

Publications

Kurihara H, Sato T, Akimoto N et al. Identification and characterization of ABCB1-mediated and non-apoptotic sebum secretion in differentiated hamster sebocytes. Biochimica Et Biophysica Acta. 2011-08-23 [PMID: 21889999]





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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