



Mouse Anti-Human P170-Glycoprotein (MDR), CatNo

K035

monoclonal

BatchNo See Label
Despatch Date See Label
Storage 2-8 °C for 1 month
-20 °C for longer

Clone Number:	JSB-1
Volume/Quantity:	1 ml
Product Form:	Tissue culture supernatant - liquid
Preservatives Stabilisers:	0.1% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin (BSA)
Approx. Protein Concentrations:	IgG concentration 250 µg/ml
Immunogen:	P-170 Glycoprotein
Fusion Partners:	Hybridoma cell line obtained by fusion of lymph node cells from immunized mouse (inbred Balb/C strain) with SP2/O mouse myeloma cells.
Isotype:	IgG1 (Mouse)
Specificity:	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. JSB-1 has potential value for diagnostic detection of MDR cells in human tumor samples.

Applications

Suggested Working Dilution

	Yes	Suggested Working Dilution
FlowCytometry	Yes	
Immunohistology-frozen	Yes	1/20 – 1/40
Immunohistology-paraffin	Yes	1/20 – 1/40
Immunohistology-resin	Not tested	
ELISA	Not tested	
Immunoprecipitation	Not tested	
Western Blotting	Not tested	
Radioimmunoassay	Not tested	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

K035-230109-1/2





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Flow Cytometry

Recommended Secondary Reagents: F(ab')₂ rabbit anti-mouse IgG FITC conjugate - (LINARIS CatNo LST0009B)
F(ab')₂ rabbit anti-mouse IgG R-PE conjugate - (LINARIS CatNo LST0012A/B)

Recommended Negative Controls: Mouse IgG1:FITC Negative Control (LINARIS CatNo ITC928F)

Immunohistology

Pre-treatment: This product requires protein digestion e. g. Pronase (LINARIS CatNo E110) or heat treatment with HistoSafe Enhancer (LINARIS CatNo E7000) prior to staining of paraffin sections.

Positive Control Tissue: Liver, kidney, colon, capsule, pancreas, lung.

Recommended Secondary Reagents: astain[®] ABC Mouse IgG (Vector CatNo AK-5002) and Substrate-Kit e.g. Vector[®] Red (Vector CatNo SK-5100).
Vectastain[®] ABC-Elite Mouse IgG (Vector CatNo PK-6102) and Peroxidase Substrate-Kit e.g. DAB (LINARIS CatNo E108) or HistoGreen (LINARIS CatNo E109).

Recommended Negative Controls: Mouse IgG1 Negative Control (LINARIS CatNo ITC0928)

References

1. Scheper, R.J. et al. (1986). *Int. J. Cancer* **42**: 389.
2. Dalton, W.S. et al. (1989). *J. Clin. Oncol.* **7**: 415.
3. Tiirikainen, M. et al. (1992). *Ann. Haematol.* **65**: 124.
4. Grogan, T. et al. (1993). *Blood* **81**: 490.
5. Itsubo, M. et al. (1994). *Cancer* **73**: 298.
6. Toth, K. et al. (1994). *Am. J. Pathol.* **144**: 227
7. Gala et al. (1994). *J. Clin. Pathol.* **47**: 619.
8. Sinicrope et al. (1994). *Cancer* **74**: 2908.
9. Balaini et al. (1995). *New Engl. J. Med.* **333**: 1380
10. Chevillard et al. (1996). *Cancer* **77**: 292
11. Moran et al. (1997). *Eur. J. Cancer* **33**: 652.

Storage Conditions: Store at 2-8°C for one month or at -20°C for longer!
Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life: 12 months from date of despatch.

Health and Safety Information: (A full Health and Safety assessment is available upon request)
This product contains sodium azide: a POISONOUS and HAZARDOUS SUBSTANCE which should be handled by trained staff only.

K035-230109-2/2

For Research purposes only. Not for therapeutic or diagnostic use.

