PRODUCT DATA SHEET

Product: Anti-P-Glycoprotein, Clone JSB-1

Cat. No.: **MC-166 (0.5 ml)**
MC-209 (1 ml)

Specificity:
JSB-1 reacts with a conserved cytoplasmic epitope of the human plasma membrane-associated 170-180 kDa glycoprotein, the expression of which is strongly correlated with the degree of multidrug resistance (MDR) derived MDR cell lines and human MDR cell lines, including cell lines derived from lung, ovaries and B cell lymphomas.

Species Reactivity:
Human and chinese hamster. Does not cross-react with mouse or rat. Others not tested.

Ig Isotype: murine IgG_1

Format:
1 ml concentrated tissue culture supernatant (200 tests) at ~250 µg IgG/ml, with 1% BSA and 0.1% NaN_3.

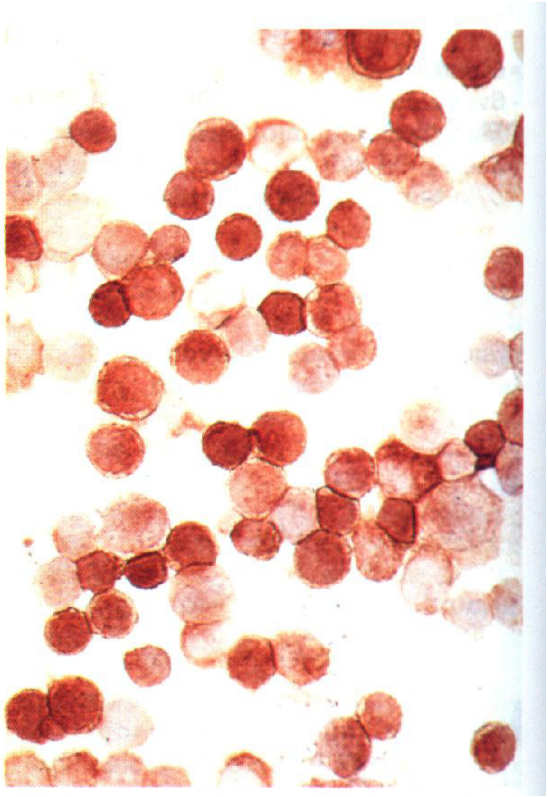
Storage:
Store at 4°C for short term. Aliquot and store at -20°C for long term. Avoid repeated freeze/thaw cycles.

Applications and Suggested Dilutions:
Can be used for the detection of MDR cells in human tumor samples.

- Flow Cytometry: Use at least 1:10. Fix cells in 10% (v/v) Lysing Solution, followed by primary antibody and anti-mouse-FITC.
- Immunocytochemistry: Use at least 1:20 (acetone fixed cell preparation)
- Immunohistochemistry: acetone-fixed frozen sections or formalin-fixed paraffin embedded tissues: Use at 1:20 dilution.

  Optimal staining results are obtained with routine 2-step ABC or APAAP methods using acetone-fixed cytocentrifuge preparations or cryostat sections. In case the B-5 fixative is used, paraffin-embedded tissue can also be stained with the antibody.
- Western blotting: Start optimizing working dilution at 1:10, followed by incubation with anti-mouse HRP.

The optimal dilution for a specific application should be determined by the researcher.



JSB-1 staining of doxorubicin selected 2R160 MDR non-small-cell lung carcinoma cells.

Limitations:
For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:
No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.