



PRODUCT DATA SHEET

Product: Anti-LRP/MVP (Major Vault Protein) mAb, clone LMR5

Cat. No.: MC-601 (1 mL)

Specificity:

Monoclonal antibody recognizes the 110 kDa Lung Resistance Protein (LRP). Reacts with an internal epitope of the LRP-protein (p110). LRP, also known as the Major Vault Protein, is upregulated and strongly overexpressed in various human P-glycoprotein negative MDR tumor cells.

Ig Isotype:

Rat IgG

Immunogen:

110 kDa LRP-protein (p110).

Hybridoma:

Mouse myeloma (SP2/O) x immunized mouse (Balb/c) lymph node cells

Format:

1 mL (>200 tests) monoclonal antibody at ~250 µg IgG/mL in protein stabilizer and 0.1% sodium azide. Filtered through a 0.22 µm filter.

Culture medium: RPMI-1640, supplemented with Nutridoma-SR. The medium does not contain serum or added enzymes.

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 LRP-associated non-Pgp MDR in human tumor samples.

- Flow Cytometry: Use at a 1:20 dilution. Cell permeabilization is required.
- Immunohistochemistry: Use at a 1:20 dilution on frozen sections, air-dried or acetone fixed cells, and paraffin embedded tissue sections.

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

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.