



PRODUCT DATA SHEET

Product: Anti-Endothelial Cell Protein C Receptor mAb, clone LMR-42

Cat. No.: MC-266 (1 mL)

Specificity:

The rat monoclonal antibody LMR-42 detects an outer-surface epitope of a 55 kDa plasma membrane protein over-expressed in several human non-Pgp multidrug-resistant (MDR) tumor cell lines.

LMR-42 has potential value for the detection of EPCR, which may mediate anti-coagulant and anti-inflammatory functions along vascular endothelia. Whether and how anti-coagulant and anti-inflammatory functions of EPCR facilitate oncogenesis and/or drug-resistance is unclear.

Immunogen:

Expression cloning revealed that the LMR-42 antigen is identical to the human endothelial cell protein C receptor (EPCR). Protein C is the zymogen of the key anticoagulant enzyme, activated protein C (APC).

Species Reactivity:

Human. Others not tested.

Ig Isotype:

Rat IgG_{2a}

Format:

1 mL antibody (>200 tests) at 100 µg IgG/mL in serum-free culture supernatant with protein stabilizer and 0.1% sodium azide.

Storage:

Store at 4°C until expiration date.

Applications and Suggested Dilutions:

- Immunohistochemistry: Use at a 1:20 dilution on frozen sections, air-dried or acetone fixed cells.
- Flow cytometry: No cell permeabilization required.

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.