

LRP antibody to the minor vault protein, clone MVP-37 Monoclonal Antibody

Catalog No.: MON 9036

Quantity: 1 ml

Specificity

MVP-37 reacts with an internal epitope of MVP/LRP (p110), which is strongly overexpressed in various human non-P-glycoprotein MDR tumor cell lines, accordingly to an increase in the number of vault particles.

Immunoglobulin type

Murine IgG_{2b}

Use

MVP-37 has potential value for detection of MVP/LRP-associated non-Pgp MDR in human tumor samples.

Immunohistochemistry: use approx. 1:20-50 dilution on 4% paraformaldehyde fixed cytospin preparations or frozen tissue sections (apply the following pretreatment: 10 min 20 mM glycine (pH 7.5) and 10 min 6 N guanidine hydrochloride in 50 mM Tris-HCl (pH 7.5); Schroeijers *et al.*, 2000). MVP-37 performs well on paraffin-embedded tissue sections. Western blotting: use 1:50 dilution (chemiluminescence). Optimal conditions for FACS analyses have not yet been defined

Presentation

1 ml vials (>200 tests) containing antibody dissolved in 1% BSA containing 0.1% sodium azide. Concentration approx. 250 µg immunoglobulin/ml.

Storage

4 °C. For extended storage, freeze at -20° C.

Literature

Schroeijers AB *et al.*, In: Thesis Schroeijers AB, Chapter 4: 2000a;
Schroeijers AB *et al.*, Cancer Res. 60: 1104, 2000b; Kickhoefer VA *et al.*, J. Cell Biol. 146: 917, 1999; Kickhoefer VA *et al.*, J. Bio. Chem. 273: 8971, 1998; Scheper RJ *et al.*, Cancer Res. 53: 1475, 1993; Scheffer GL *et al.*, Nature Med. 1: 578, 1995; Izquierdo MA *et al.*, Cytotechnology 27: 137, 1998.

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Cell Sciences, Inc.
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Web Site: www.cellsciences.com