

BM5055**Monoclonal Antibody to Major Vault Protein - Supernatant**

Alternate names:	LRP, Lung-Resistance Related Protein, MVP
Quantity:	0.5 ml
Concentration:	concentration approx. 100 µg/ml
Background:	Major vault protein (MVP) is identical to lung resistance related protein (LRP). Its shape is reminiscent of the nucleopore central plug. Treatment of cells with estradiol increases the amount of MVP in nuclear extract. The hormone dependent interaction of vaults with ER is prevented in vitro by sodium molybdate. Antibodies to progesterone and glucocorticoid receptors are also able to coimmunoprecipitate the MVP. Reportedly, the lung resistance related protein (LRP) is identical to human MVP. LRP is overexpressed in many neoplastic tissues and cells lines indicating a poor response to chemotherapy.
Uniprot ID:	Q14764
NCBI:	NP_005106.2
GeneID:	9961
Host / Isotype:	Mouse / IgG2b
Clone:	LRP56
Immunogen:	Human lung resistance-related protein (LRP).
Format:	State: Liquid Culture supernatant Buffer System: PBS with 1% BSA and 0.1% Na-Azide
Applications:	Immunohistochemistry on frozen and paraffin sections. Immunostaining of cytospin preparations: 1:20. Flow cytometry: 1:50; cell permeabilization required with 10% lyzing solution. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Mab LRP-56 reacts with an internal epitope of LRP (P110), which is strongly overexpressed in various human non-P-glycoprotein multidrug-resistance (MDR) tumor cell lines. Species: Human. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Izquierdo MA, Scheffer GL, Flens MJ, Giaccone G, Broxterman HJ, Meijer CJ, et al. Broad distribution of the multidrug resistance-related vault lung resistance protein in normal human tissues and tumors. Am J Pathol. 1996 Mar;148(3):877-87. PubMed PMID: 8774142. 2. Izquierdo MA et al. Proc Am Assoc Cancer Res 36, 323 (1995) 3. Schadendorf D et al. Am J Pathol 147, 1545-1552 (1995)

4. Scheffer GL et al. Proc Am Assoc Cancer Res 36, 323 (1995)
5. Scheper RJ et al. Proc Am Ass Can Res 35: 344 (1994)
6. Izquierdo MA et al. Proc Am Assoc Cancer Res 34, 311 (1993)
7. List AF et al. Blood 82, 443a (1993)
8. Scheper RJ et al. Cancer Research 53: 1475-1479 (1993)