PRODUCT DATA SHEET

Product: **Anti-VPARP, Clone P193-10**

Cat. No: **MC-174 (0.5 ml)**
MC-227 (1 ml)

Background:
VPARP is an antibody to the minor vault protein.

Specificity:
This clone (P193-10) reacts with an internal epitope (amino acids 506-510, VALGK) or the minor vault protein (VPARP), which is over-expressed in various human non-P-glycoprotein MDR tumor cell lines, accordingly to an increase in the number of vault particles.

Ig Isotype: Murine IgG_{2b} kappa

Immunogen:
Clone p193-10 was raised against an E. coli lysate transformed with the pET28a(+) expression vector containing amino acids 408-611 of the p193 cDNA.

Format:
This antibody contains approximately 250ug of immunoglobulin per ml. The solution contains 1% BSA and 0.1% sodium azide.

Storage and Stability:
Store at 4˚C for 2 months, -20˚C for 1 year. Avoid freeze/thaw cycles.

Applications and Suggested Dilutions:

- Western blotting: (preferabley with ECL) Use and a dilution of 1:10 to 20.
- Immunohistochemistry: Use at a dilution of 1:10-20 for staining of paraformaldehyde (4%) fixed cytospin preparations and frozen tissue sections. The following pretreatment is recommended: 10 min with 20 mM glycine in PBS (pH 7.5) and 10 min. with 6 N guanidine hydrochloride in 50 mM Tris-HCL (pH 7.5)1. Optimal conditions for paraffin-embedded tissues have yet to be defined.

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.