

Proliferation Cocktail (ZR285 + ZM67)

Rabbit & Mouse Monoclonal Antibody Cocktail

Host: Rabbit & Mouse
Specificity: Human
Immunogen: Synthetic peptide corresponding to phosphohistone H3 residue within aa 1-100; Recombinant human Ki67 protein fragment (around aa2293-2478)
Ig Class: IgG + IgG1/k
Storage: When stored at 2-8°C, this antibody cocktail is stable for 18 months.

Specifications: Proliferation Cocktail (ZR285 + ZM67) Rabbit & Mouse Monoclonal Primary Antibody Cocktail detects PHH3 and Ki-67 protein in formalin-fixed, paraffin-embedded samples by immunohistochemical (IHC) staining.

Staining Procedures:

Use formalin-fixed and paraffin-embedded sections.

Retrieval conditions: Pretreatment of deparaffinized samples via heat-induced epitope retrieval is recommended.

Detection method: Dual AP/HRP Detection Polymer System.

Working dilution: Ready-to-use.

Positive Control: Sample known to contain PHH3 and Ki-67 protein.

Localization: Nuclear.

Intended Use: Research Use Only (RUO). This antibody is not for diagnostic use.

Description: The Proliferation Dual Stain Cocktail includes two recombinant antibodies to PHH3 (red) and Ki-67 (brown). Phosphohistone H3 (PHH3) is a marker specific for cells undergoing mitosis. Serine 10 of Histone H3 is phosphorylated in association with mitotic chromatin condensation in late G2 and M phase of the cell cycle. High level of PHH3 is associated with increased mitotic count and with high Ki-67 expression. Ki-67 antigen is a nuclear, non-histone protein that is present in all stages of the cell cycle except G0.

Supplied As: Purified antibodies diluted in Tris-HCl buffer containing stabilizing protein and <0.1% ProClin.

References:

1. Lasota J, et al. Am J Surg Pathol. 2024;48(1):97-105
2. Colman H, et al. Am J Surg Pathol. 2006; 30:657-64.
3. Kim YJ, et al. Am J Clin Pathol. 2007; 128:118-25.
4. Pizarro CB, et al. Am J Med Sci. 2002; 324:326-30.

**Z2834MRP-R (7ml Pre-dil)****ZETA** Corporation

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(research
use only)



(lot number)



(catalogue
number)



(expiry date)



(temperature
limit)



(consult
Instructions
for Use)