

# Bone Marrow Cocktail (ZR422 + PWS44)

## Rabbit & Mouse Monoclonal Antibody Cocktail

**Host:** Rabbit & Mouse  
**Specificity:** Human  
**Immunogen:** Recombinant fragment of human TFRC receptor; Recombinant protein corresponding to a region of the C2 domain of the human CD33  
**Ig Class:** IgG + IgG2b  
**Storage:** When stored at 2-8°C, this antibody cocktail is stable for 18 months.

**Specifications:** Bone Marrow Cocktail (ZR422 + PWS44) Rabbit & Mouse Monoclonal Primary Antibody Cocktail detects CD71 & CD33 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 CD71 and CD33 protein.

**Localization:** Cytoplasmic.

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

Description: Zeta Corporation offers a dual stain cocktail of monoclonal antibodies for IHC including CD71 and CD33. CD33 is a 67 kDa glycosylated transmembrane protein. CD71 antibody recognizes a ~90-95 kDa protein identified as cell surface transferrin receptor (CD71). This antibody is highly specific to CD71 and shows no cross-reaction with other related proteins. Transferrin receptor is the serum iron transport protein transferrin. This receptor has been observed to be expressed by normal erythroid and erythroid leukemias. The combination of anti-CD33 (brown) and anti-CD71 (red) is useful to identify most blasts (myeloid and erythroid blasts) in bone marrow.

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

### References:

1. Ponka P, et al. Int J Biochem Cell Biol. 1999; 31:1111-37.
2. Leuk Freeman SD, et al. Blood. 1995; 85:2005-12
3. Hoyer JD, et al. Am J Clin Pathol. 2008; 129:316-23.
4. Freeman SD, et al. Blood. 1995; 85:2005-122

**REF** Z2841MRP-R (7ml Pre-dil)



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use only)



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