

## ZAP-70 (Clone ZM97) Mouse Monoclonal Antibody

**Specificity:** Human. Others-not known

**Immunogen:** Recombinant fragment of human ZAP70 protein (around aa 247-382)

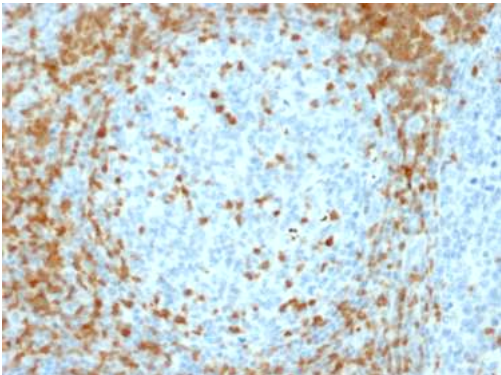
**Ig Class:** IgG1/κ

**Storage:** Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months

**Staining procedures:** Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:100-200; *Positive Control:* Tonsil, CLL/SLL. *Cellular Localization:* Cytoplasmic. *Intended Use:* In vitro diagnosis (IVD).

Description: ZAP70 is a 70kDa protein tyrosine kinase found in T-cells and natural killer cells. Control of this protein translation is via the IgVH gene. ZAP70 protein is expressed in leukemic cells of approximately 25% of chronic lymphocytic leukemia (CLL) cases as well. Anti-ZAP70 expression is an excellent surrogate marker for the distinction between the Ig-mutated (anti-ZAP70 negative) and Ig-unmutated (anti-ZAP70 positive) CLL subtypes and can identify patient groups with divergent clinical courses. The anti-ZAP70 positive Ig-unmutated CLL cases have been shown to have a poorer prognosis.

**Supplied As:** Purified antibody with 0.2% BSA and 15mM sodium azide.



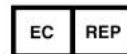
### References:

1. Pizarro CB, et al. *Am J Med Sci.* 2002; 324:326-30.
2. Fan X, et al. *J Histochem Cytochem.* 2002; 50:1509-16.
3. Japon MA, et al.: *J Clin Endocrinol Metab.* 2002; 87:1879-84.

*Formalin-Fixed, paraffin-embedded human tonsil stained with anti-ZAP-70 antibody using peroxidase-conjugate and DAB chromogen. Note the cytoplasmic staining of B cells*

**Cat. #Z2407 (1.0 ml)**

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