

## ZAP-70 (Clone 2F3.2)

### Mouse Monoclonal Antibody

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

**Immunogen:** GST-fusion to tandem SH2 domains of human ZAP-70 corresponding to residues 1-254

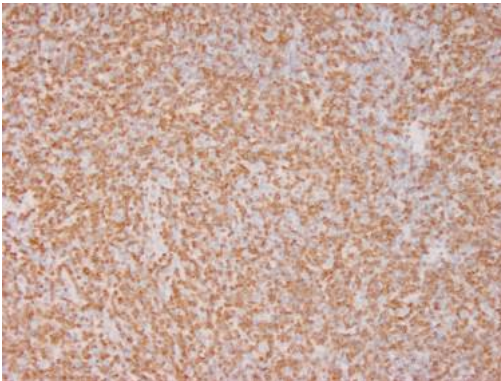
**Ig Class:** IgG2 $\alpha$

**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:* 1:100-500; *Positive Control:* Tonsil, CLL/SLL. *Cellular Localization:* Cytoplasmic. *Intended Use:* In vitro diagnosis (IVD).

**Description:** ZAP-70 is a 70 kD protein tyrosine kinase found in T-cells and natural killer cells. Control of this protein translation is via the IgVH gene. ZAP-70 protein is expressed in leukemic cells of approximately 25% of Chronic Lymphocytic Leukemia (CLL) cases as well. ZAP-70 expression is an excellent surrogate marker for the distinction between the Ig-mutated (ZAP-70 negative) and Ig-unmutated (ZAP-70 positive) CLL subtypes and can identify patient groups with divergent clinical courses. The ZAP-70 positive Ig-unmutated CLL cases have a poorer prognosis.

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



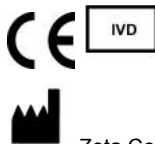
#### References:

1. Admirand J, et al. *Mod Path.* 2004; 17:954-61.
2. Carreras J, et al. *J Pathol.* 2005; 205:507-13.

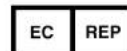
*Formalin-Fixed, paraffin-embedded human CLL/SLL stained with anti-ZAP-70 antibody using peroxidase-conjugate and DAB chromogen. Note the cytoplasmic staining of lymphoma cells*

Cat. #Z2114 (1.0 ml)

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