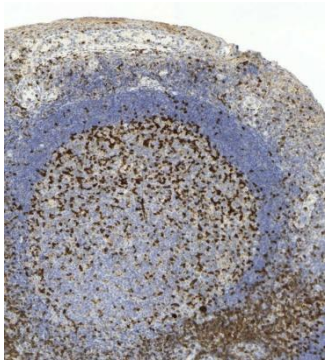
ZAP-70 clone 2F3.2

Instructions for Use

Specification:
ZAP-70 is a 70kDa protein tyrosine kinase found in T-cells and natural killer cells. Control of this protein translation is via the IgVH gene. In Western blotting of whole cell lysates of normal peripheral blood mononuclear cells, the antibody labels a band corresponding to ZAP-70. In Western blotting of whole cell lysates of CD19-positive purified leukemia cells from patients with Ig-unmutated and Ig-mutated CLL, the antibody labels a band corresponding to ZAP-70 in the Ig-unmutated CLL samples, whereas no band is observed in the Ig-mutated CLL samples. In Western blotting of cell lysates of Jurkat cells (T-lymphoblastic cell line), the antibody labels a band of 70kDa protein. In Western blotting of cell lysates of A431 cells (carcinoma cell line), no band is observed. ZAP-70 protein is expressed in leukemic cells of approximately 25% of chronic lymphocytic leukemia (CLL) cases as well. Anti-ZAP-70 expression is an excellent surrogate marker for the distinction between the g-mutated (anti-ZAP-70 negative) and Ig-unmutated (anti-ZAP-70 positive) CLL subtypes and can identify patient groups with divergent clinical courses. The anti-ZAP-70 positive Ig-unmutated CLL cases have been shown to have a poorer prognosis.

Availability:

Catalog No.	Contents	Volume
ILM7535-C01	ZAP-70	0,1 ml concentrate
ILM7535-C05	ZAP-70	0,5 ml concentrate
ILM7535-C1	ZAP-70	1,0 ml concentrate



Intended use: For Research Use Only

Reactivity: Human, others not known

Clone: 2F3.2

Species of origin: Mouse

Isotype: IgG2a, kappa

Control Tissue: Tonsil or lymph node

Staining: Cytoplasmic

Immunogen: Recombinant ZAP-70 protein including residues 1-254 and encompassing SH2 domains of human ZAP-70

Presentation: Bioreactor Concentrate with 0.05% Azide

Application and suggested dilutions:
Pretreatment: Heat induced epitope retrieval in 10 mM citrate buffer, pH6.0, for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution 1:250 - 1:500)

The optimal dilution for a specific application should be determined by the investigator.

Note: Dilution of the antibody in 10% normal goat serum followed by a goat anti-mouse secondary antibody-based detection is recommended.

Storage & Stability: Store at 2-8 °C. Do not use after expiration date printed on the vial.

Reference:

1) Iwashima M, et al, Science 1994; 263: 1136-9.