

Anti-ZAP70 Antibody [2F3.2] (A250340)

Specifications:

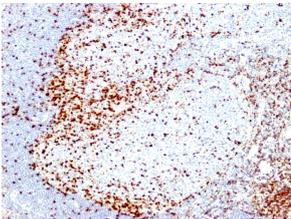
Name:	Anti-ZAP70 Antibody [2F3.2]
Description:	Mouse monoclonal [2F3.2] antibody to ZAP70.
Specificity:	ZAP70 is a 70kDa protein tyrosine kinase found in T-cells and natural killer cells. Control of this protein translation is via the IgVH gene. In Western blotting of whole cell lysates of normal peripheral blood mononuclear cells, the antibody labels a band corresponding to ZAP70. 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 ZAP70 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. 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.
Applications:	Flow Cytometry, IF, IHC-P
Recommended Dilutions:	Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml, IHC-P: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Recombinant ZAP-70 protein including residues 1-254 and encompassing SH2 domains of human ZAP70.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	2F3.2
Isotype:	IgG2a
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.

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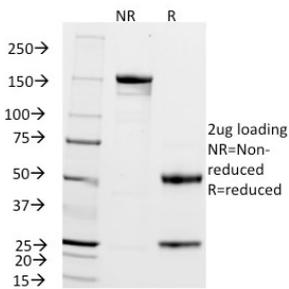
Specifications continued:

Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-ZAP70 Antibody [2F3.2] - BSA and Azide free (A253520).
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

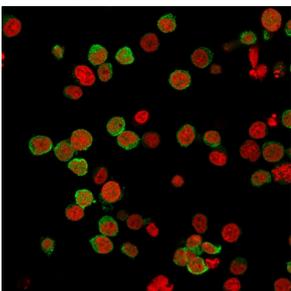
Images:



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human tonsil using Anti-ZAP70 Antibody [2F3.2].



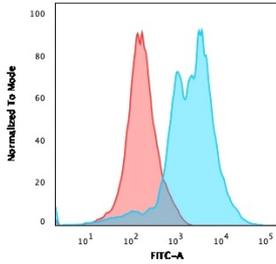
SDS-PAGE analysis of Anti-ZAP70 Antibody [2F3.2] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.



Immunofluorescent analysis of PFA fixed Jurkat cells stained with Anti-ZAP70 Antibody [2F3.2] followed by Goat Anti-Mouse IgG (CF® 488) (Green). The nuclear counterstain is NucSpot (Red).

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Images continued:



Flow cytometric analysis of PFA fixed Jurkat cells using Anti-ZAP70 Antibody [2F3.2] followed by Goat Anti-Mouse IgG (CF® 488) (Blue). Isotype Control (Red).