

## ZAP-70 Antibody [clone 2F3.2] (V2934)

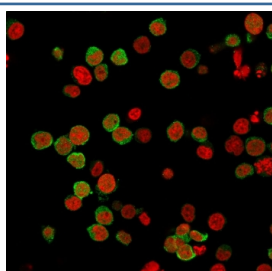
Catalog No.	Formulation	Size
V2934-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2934-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2934SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2934IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml



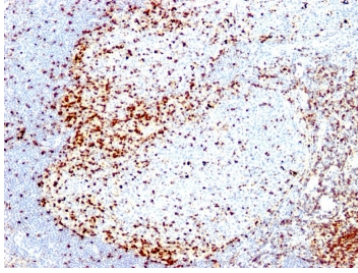
Citations (9)

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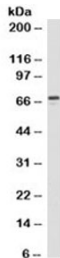
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	2F3.2
Purity	Protein G affinity chromatography
UniProt	P43403
Localization	Cytoplasmic
Applications	Western Blot : 1-2ug/ml Flow Cytometry : 1-2ug/10 <sup>6</sup> cells Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This ZAP-70 antibody is available for research use only.



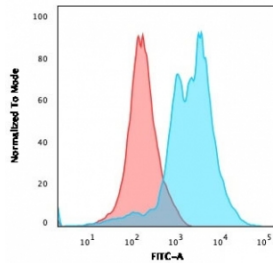
Immunofluorescent staining of PFA-fixed human Jurkat cells with ZAP-70 antibody (green, clone 2F3.2) and Reddot nuclear stain (red).



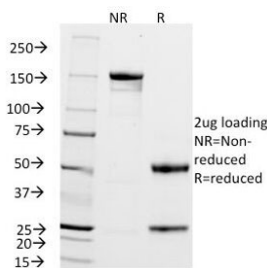
IHC analysis of formalin-fixed, paraffin-embedded human tonsil stained with ZAP-70 antibody (clone 2F3.2).



Western blot testing of human Jurkat cell lysate with ZAP-70 antibody (clone 2F3.2).



Flow testing of PFA-fixed Jurkat cells with ZAP-70 antibody (clone 2F3.2); Red=isotype control, Blue= ZAP70 antibody.



SDS-PAGE analysis of purified, BSA-free ZAP-70 antibody (clone 2F3.2) as confirmation of integrity and purity.

## 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.

## Application Notes

Optimal dilution of the ZAP-70 antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9, for 10-20 min followed by cooling at RT for 20 min.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Recombinant human protein (including amino acids 1-254 and the SH2 domains) was used as the immunogen for the ZAP-70 antibody.

## Storage

Store the ZAP-70 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).