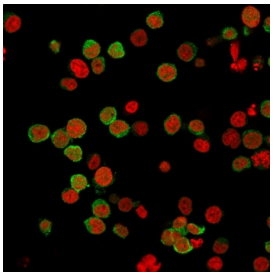
ZAP-70 Antibody [clone 2F3.2] (V2934)

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

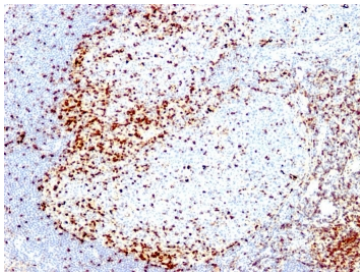
Citations (9)

Bulk quote request

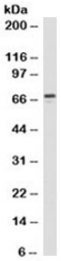
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	2F3.2
Purity	Protein G affinity chromatography
UniProt	P43403
Localization	Cytoplasmic
Applications	Western Blot : 1-2ug/ml Flow Cytometry : 1-2ug/10^6 cells 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.



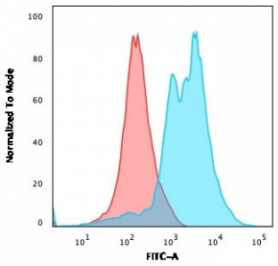
Immunofluorescent staining of PFA-fixed human Jurkat cells with ZAP-70 antibody (green, clone 2F3.2) and Reddot nuclear stain (red).



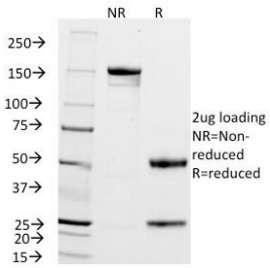
IHC analysis of formalin-fixed, paraffin-embedded human tonsil stained with ZAP-70 antibody (clone 2F3.2).



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).