

Rabbit Anti-ZAP70 [MD278R]: RM0197, RM0197RTU7

Intended Use: For Research Use Only

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. Anti-ZAP-70 expression is an excellent surrogate marker for the distinction between the Ig-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.

Specifications

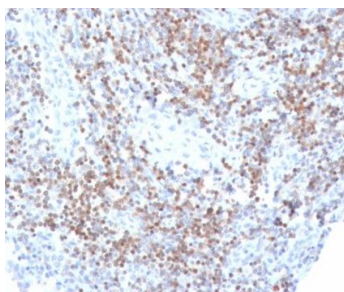
Clone:	MD278R
Source:	Rabbit
Isotype:	IgG
Reactivity:	Human
Immunogen:	Recombinant fragment of human ZAP70 protein
Localization:	Cytoplasm
Formulation:	Purified antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC, WB
Package:	

Description	Catalog No.	Size
ZAP70 Concentrated	RM0197	1 ml
ZAP70 Prediluted	RM0197RTU7	7 ml

IHC Procedure

Positive Control Tissue:	Chronic lymphocytic
Concentrated Dilution:	50-200
Pretreatment:	Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human tonsil stained with anti-ZAP70 using DAB

References:

1. B-cell subsets in the joint compartments of seropositive and seronegative rheumatoid arthritis (RA) and No-RA arthritides express memory markers and ZAP70 and characterize the aggregate pattern irrespectively of the autoantibody status. Michelutti A, et al. Mol Med. Sep-Oct;17(9-10):901-9, 2011.
2. Immunohistochemical detection of ZAP70 in chronic lymphocytic leukemia predicts immunoglobulin heavy chain gene mutation status and time to progression. Admirand JH, et al. Mod Pathol. Nov;23(11):1518-23, 2010.