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DATA SHEET

Rabbit Anti-TCL1 [MD117R]: RM0182, RM0182RTU7

Intended Use: For Research Use Only

Description: T-cell leukemia/lymphoma protein 1A (TCL1) is a member of the TCL1 family and enhances the phosphorylation and activation of AKT1, AKT2 and AKT3. TCL1 promotes the nuclear translocation of AKT1 and enhances cell proliferation, stabilizes mitochondrial membrane potential and promotes cell survival. The expression of TCL1 is restricted to lymphoid cells. It is expressed early in lymphocyte differentiation. Strong expression of TCL1 is found in a subset of mantle zone B lymphocytes and is expressed to a lesser extent by follicle center cells. In B cell neoplasia, TCL1 immunoreactivity is found in the majority of B cell lymphomas including lymphoblastic lymphoma, chronic lymphocytic leukemia, mantle cell lymphoma, follicular lymphoma, Burkitt lymphoma, diffuse large B-cell lymphoma (60%), and primary cutaneous B cell lymphoma (55%). The expression of the TCL1 gene characterizes low-grade B cell lymphomas.

Specifications:

Clone:	MD117R
Source:	Rabbit
Isotype:	IgG
Reactivity:	Human
Immunogen:	Recombinant human TCL1 protein fragment aa 2-109
Localization:	Cytoplasm, nucleus
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC

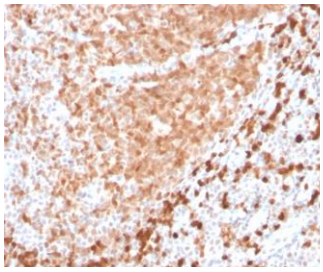
Package:

Description	Catalog No.	Size
TCL1 Concentrated	RM0182	1 ml
TCL1 Prediluted	RM0182RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Tonsil, B-cell lymphoma
Concentrated Dilution:	50-200
Pretreatment:	Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using 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-TCL1 using DAB

References:

1. TCL1 is a diagnostic marker for intratubular germ cell neoplasia and classic seminoma. Cao D, et al. istopathology. Jul;57(1):152-7., 2010.
2. TCL1A expression delineates biological and clinical variability in B-cell lymphoma. Aggarwal M, et al. Mod. Pathol. Feb;22(2):206-15, 2009.
3. TCL1 shows a regulated expression pattern in chronic lymphocytic leukemia that correlates with molecular subtypes and proliferative state. Herling M1, et al. Leukemia. 2006 Feb;20(2):280-5, 2006.

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Rev. B

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