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DATA SHEET

Rabbit Anti-CD7 [MD261R]: RM0050, RM0050RTU7

Intended Use: For Research Use Only

Description: CD7 is a single-pass type 1 transmembrane protein that is a member of the immunoglobulin superfamily. It plays an essential role in T-cell interactions and also in T-cell/B-cell interactions during early lymphoid development. CD7 is expressed on thymocytes, T- and natural killer cells, and progenitors of lymphoid and myeloid cells. It is also expressed on Tcell Acute Lymphoblastic Leukemia/Lymphoma, Acute Myelogenous Leukemia and Chronic Myelogenous Leukemia. CD7 antibody is the most sensitive and specific T-cell deletion marker. Loss of CD7 expression by neoplastic lymphocytes is considered a distinguishing characteristic of mycosis fungoides (MF) and cutaneous T-cell lymphoma.

Specifications:

Clone:	MD261R
Source:	Rabbit
Isotype:	IgG
Reactivity:	Human
Immunogen:	Recombinant fragment of human CD7 protein
Localization:	Membrane
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3).
Storage:	Store at 2°- 8°C
Applications:	IHC

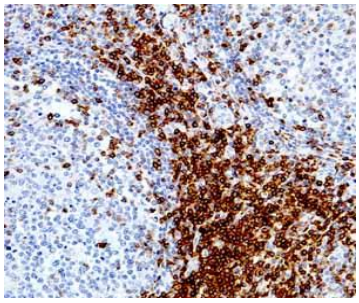
Package:

Description	Catalog No.	Size
CD7 Concentrated	RM0050	1 ml
CD7 Prediluted	RM0050RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Tonsil, T-cell Acute Lymphoblastic Leukemia
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-CD7 using DAB

References:

1. Targetable vulnerabilities in T- and NK-cell lymphomas identified through preclinical models. Ng SY, et al. Nat Commun 9:2024, 2018.
2. Distinct T and NK cell populations may serve as immune correlates of protection against symptomatic pandemic influenza A(H1N1) virus infection during pregnancy. Savic M et al. PLoS One. 2017.
3. Clinicopathologic and molecular characterization of myeloid neoplasms with isolated t(6;9)(p23;q34), Visconte V et al. Int J Lab Hematol. 2017.

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