

**Mouse Anti-CD5 [C5/473&CD5/54/F6]: MC0681, MC0681RTU7**

**Intended Use:** For Research Use Only

**Description:** CD5 (Lymphocyte antigen T1/Leu-1) is a transmembrane glycoprotein which has been implicated as a receptor in the regulation of T-cell proliferation. CD5 antibody labels a variety of T lymphocytes, mantle zone lymphocytes and a small subset of B lymphocytes. In tumors, CD5 is expressed on T-cell malignancies, Bcell chronic lymphocytic leukemia (CLL)/small lymphocytic lymphoma (SLL), and mantle-cell lymphoma. It is a useful diagnostic tool for these tumors. In addition, anti-CD5 is helpful in diagnosis of thymic carcinoma (CD5 positive).

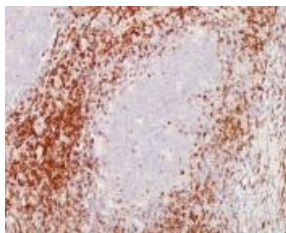
**Specifications:**

Clone: C5/473&CD5/54/F6  
Source: Mouse  
Isotype: IgG's  
Reactivity: Human, rabbit, rat, cow  
Immunogen: A synthetic peptide from the intracellular region of human CD5 (CD5/54/F6)  
Localization: Membrane  
Formulation: Antibody in PBS pH7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
Storage: Store at 2°- 8°C  
Applications: IHC, Flow Cyt., ICC/IF  
Package:

Description	Catalog No.	Size
CD5 Concentrated	MC0681	1 ml
CD5 Prediluted	MC0681RTU7	7 ml

**IHC Procedure\*:**

Positive Control Tissue: Tonsil, mantle cell lymphoma  
Concentrated Dilution: 50-200  
Pretreatment: EDTA pH8.0, 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-CD5 using DAB

**References:**

1. Diagnostic Algorithm of Common Mature B-Cell Lymphomas by Immunohistochemistry. Wang HY et al. Arch Pathol Lab Med. 2017.
2. Multiple myeloma-associated skin light chain amyloidosis: A case of misdiagnosis. Xiao LI, et al. Oncol Lett 11:3617-3620, 2016.
3. Epstein-Barr virus positive diffuse large B-cell lymphoma predict poor outcome, regardless of the age. Lu TX, et al. Sci Rep 5:12168, 2015.

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