

Rabbit Anti-CD79b [MD84R]: RM0053, RM0053RTU7

Intended Use: For Research Use Only

Description: CD79 consists of two proteins, CD79a (mb-1) and CD79b (B29). CD79a recognizes the Ig-alpha protein, and CD79b recognizes the Ig-beta protein of the B-cell antigen component of the B-lymphocyte antigen receptor. CD79b is a multimeric complex that includes the antigen-specific component, surface immunoglobulin (Ig). Surface Ig non-covalently associates with two other proteins, Ig-alpha and Ig-beta, which are necessary for the expression and function of the B-cell antigen receptor. In normal B-cell differentiation, CD79b (B29) is first expressed in cells that have Ig μ chains and remains expressed throughout B-cell differentiation up to the plasma cell stage. Cells from most chronic B-cell disorders, for example, most B-cell lymphomas and B-cell prolymphocytic leukemias, are CD79b positive. However, CD79b is either absent or weakly expressed in neoplastic B-cells from chronic lymphocytic leukaemia (CLL) and hairy cell leukaemia.

Specifications:

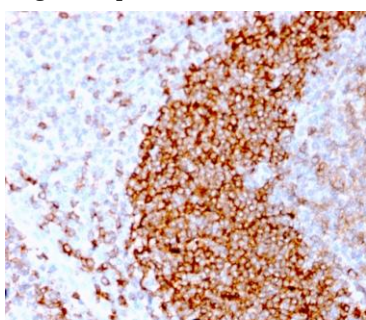
Clone:	MD84R
Source:	Rabbit
Isotype:	IgG
Reactivity:	Human
Immunogen:	Recombinant human CD79b protein fragment aa 29-159
Localization:	Membrane
Formulation:	Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN ₃)
Storage:	Store at 2°- 8°C
Applications:	IHC, ELISA
Package:	

Description	Catalog No.	Size
CD79b (Transferrin Receptor) Concentrated	RM0053	1 ml
CD79b (Transferrin Receptor) Prediluted	RM0053RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Tonsil, B cell lymphoma
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-CD79b using DAB

References:

1. The extracellular membrane-proximal domain of membrane-bound IgE restricts B cell activation by limiting B cell antigen receptor surface expression. Vanshylla K, et al. Eur J Immunol 48:441-453, 2018.
2. Identification of a secondary promoter within the human B cell receptor component gene hCD79b. Yoo EJ, et al. J Biol Chem 288:18353-65, 2013.