

# CD79a Recombinant antibody

Catalog Number: 84236-4-RR

## Basic Information

<b>Catalog Number:</b> 84236-4-RR	<b>GenBank Accession Number:</b> BC113733	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 973	<b>CloneNo.:</b> 241299F1
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P11912	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:2000-1:8000
<b>Isotype:</b> IgG	<b>Full Name:</b> CD79a molecule, immunoglobulin-associated alpha	
	<b>Calculated MW:</b> 226 aa, 25 kDa	
	<b>Observed MW:</b> 40-50 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> Daudi cells, Ramos cells, Raji cells
	<b>IHC :</b> human tonsillitis tissue,

**Note-IHC: suggested antigen retrieval with *TE buffer pH 9.0*; (\*) Alternatively, antigen retrieval may be performed with *citrate buffer pH 6.0***

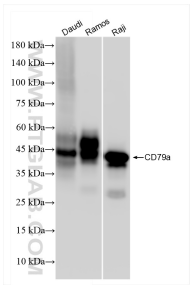
## Background Information

CD79a, also named as B-cell antigen receptor complex-associated protein alpha chain or MB-1 membrane glycoprotein, is a 226 amino acid protein, which contains one ITAM domain and one Ig-like C2-type (immunoglobulin-like) domain. CD79A is expressed in B cells and localizes in the cell membrane. CD79A is required in cooperation with CD79B for initiation of the signal transduction cascade activated by binding of antigen to the B-cell antigen receptor complex (BCR) which leads to internalization of the complex, trafficking to late endosomes and antigen presentation. CD79A is also required for BCR surface expression and for efficient differentiation of pro- and pre-B-cells.

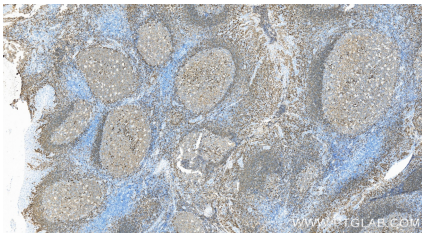
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

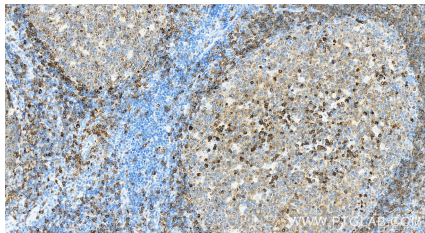
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84236-4-RR (CD79a antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



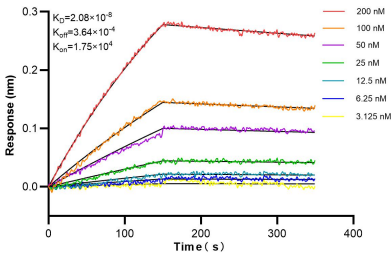
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 84236-4-RR (CD79a antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 84236-4-RR (CD79a antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 84236-4-RR (CD79a antibody) at dilution of 1:4000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 84236-4-RR against Human CD79a were performed. The affinity constant is 20.8 nM.