

For Research Use Only

CD79a Recombinant antibody, PBS Only

Catalog Number: 84236-4-PBS



Basic Information

Catalog Number:

84236-4-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC113733

GeneID (NCBI):

973

UNIPROT ID:

P11912

Full Name:

CD79a molecule, immunoglobulin-associated alpha

Calculated MW:

226 aa, 25 kDa

Observed MW:

40-50 kDa

Purification Method:

Protein A purification

CloneNo.:

241299F1

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human

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 -80°C.

Storage Buffer:

PBS Only

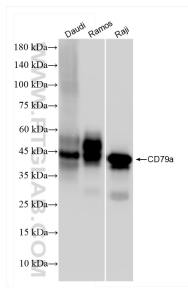
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

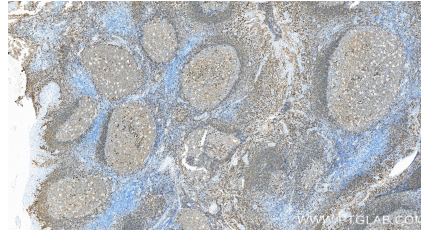
E: proteintech@ptglab.com
W: ptglab.com

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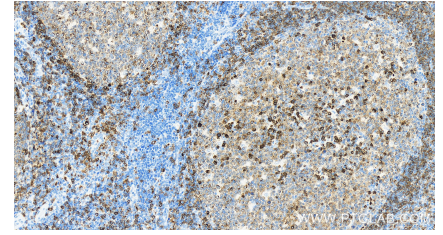
Selected Validation Data



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. This data was developed using the same antibody clone with 84236-4-PBS in a different storage buffer formulation.



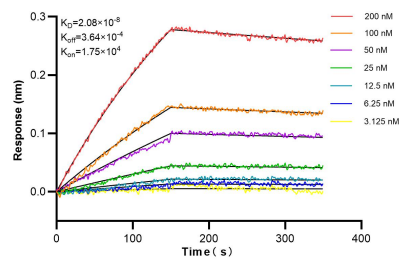
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 84236-4-RR (CD79a antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84236-4-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84236-4-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84236-4-PBS in a different storage buffer formulation.



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