

For Research Use Only

# CD79a Recombinant antibody

Catalog Number:84236-5-RR



## Basic Information

Catalog Number:

84236-5-RR

Size:

1000 µg/ml

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:

40-45 kDa

Purification Method:

Protein A purification

CloneNo.:

241299C9

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:200-1:800

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : Daudi cells, Raji cells

IF/ICC : Ramos cells,

## 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

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

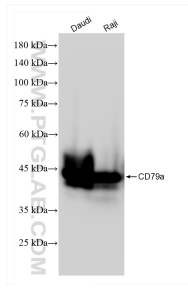
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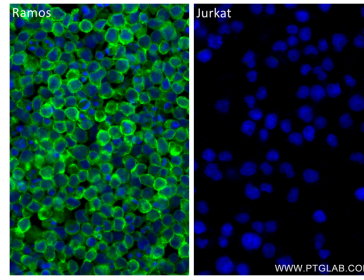
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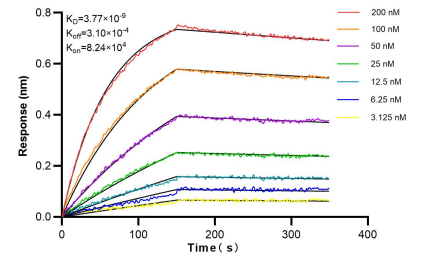
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84236-5-RR (CD79a antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed Ramos cells using CD79A antibody (84236-5-RR, Clone: 241299C9) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biacore interferometry (BLI) kinetic assays of 84236-5-RR against Human CD79a were performed. The affinity constant is 3.77 nM.