

# CD79a Recombinant antibody

Catalog Number: 82747-4-RR

## Basic Information

**Catalog Number:**

82747-4-RR

**Size:**

600 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG17924

**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 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

1F24

**Recommended Dilutions:**

WB 1:2000-1:12000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human

**Positive Controls:**

WB : Daudi cells, Raji cells, 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:**

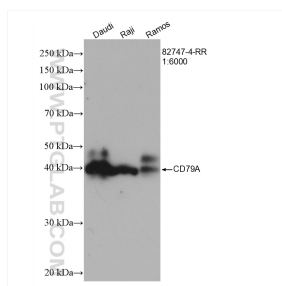
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

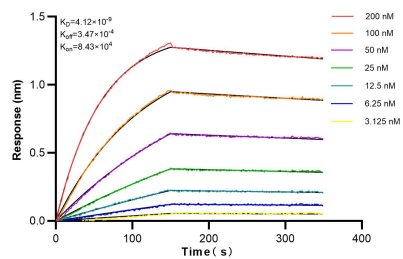
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82747-4-RR (CD79a antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 82747-4-RR against Human CD79A were performed. The affinity constant is 4.12 nM.