

For Research Use Only

CD79a Recombinant antibody

Catalog Number: 82747-2-RR



Basic Information

Catalog Number:

82747-2-RR

Concentration:

500 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

Purification Method:

Protein A purification

CloneNo.:

1I17

Recommended Dilutions:

IF-P 1:50-1:500

IF/ICC 1:125-1:500

Applications

Tested Applications:

IF/ICC, IF-P, ELISA

Species Specificity:

human

Positive Controls:

IF-P : mouse spleen tissue,

IF/ICC : Raji 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

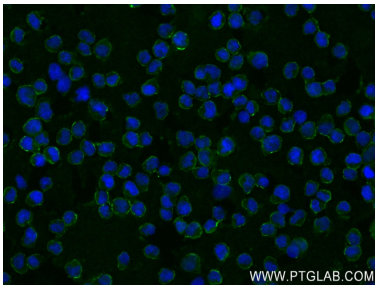
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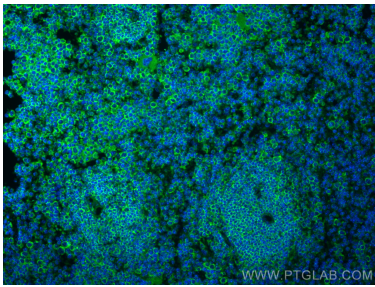
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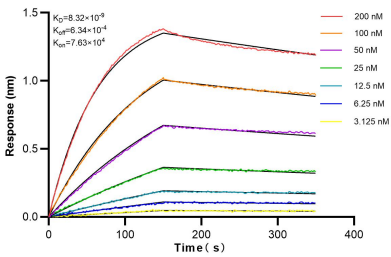
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Raji cells using CD79A antibody (82747-2-RR, Clone: 1117) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse spleen tissue using CD79a antibody (82747-2-RR, Clone: 1117) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 82747-2-RR against Human CD79A were performed. The affinity constant is 8.32 nM.