

For Research Use Only

CD79a Recombinant antibody

Catalog Number: 82747-2-RR



Basic Information

Catalog Number: 82747-2-RR	GenBank Accession Number: BC113733	Purification Method: Protein A purification
Size: 100ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 973	CloneNo.: 1I17
Source: Rabbit	UNIPROT ID: P11912	Recommended Dilutions: IF-P 1:50-1:500 IF/ICC 1:125-1:500
Isotype: IgG	Full Name: CD79a molecule, immunoglobulin-associated alpha	
Immunogen Catalog Number: AG17924	Calculated MW: 226 aa, 25 kDa	

Applications

Tested Applications: IF/ICC, IF-P, ELISA	Positive Controls:
Species Specificity: human	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

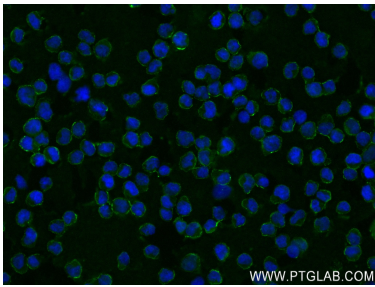
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

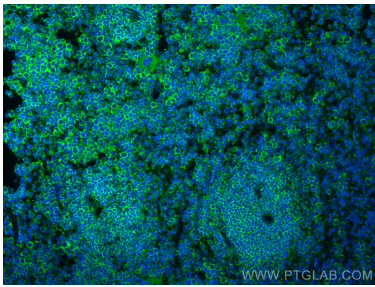
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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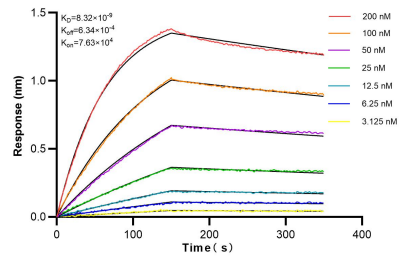
Selected Validation Data



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.