For Research Use Only

CD79a Recombinant monoclonal antibody

Catalog Number:82747-6-RR Featured Product

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
82747-6-RR

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:
38-45 kDa

Purification Method:
Protein A purification

CloneNo.:
230167A8

Recommended Dilutions:
WB: 1:5000-1:50000
IHC: 1:2000-1:8000

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : Daudi cells, Raji cells, Ramos cells

IHC : human tonsillitis tissue,

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.

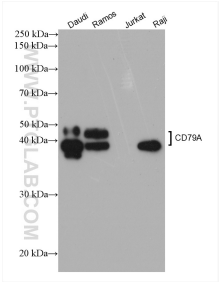
Storage

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

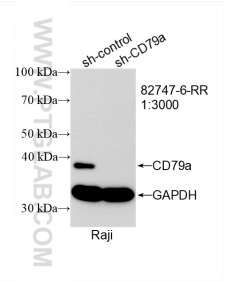
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

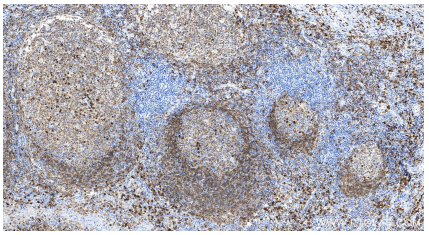
Selected Validation Data



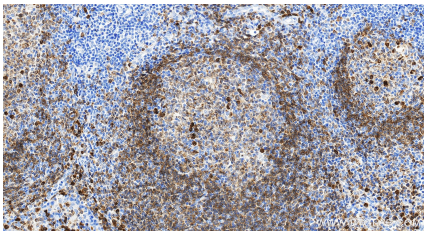
Various lysates were subjected to SDS PAGE followed by western blot with 82747-6-RR (CD79a antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of CD79a antibody (82747-6-RR; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CD79a transfected Raji cells.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 82747-6-RR (CD79a antibody) at dilution of 1:4000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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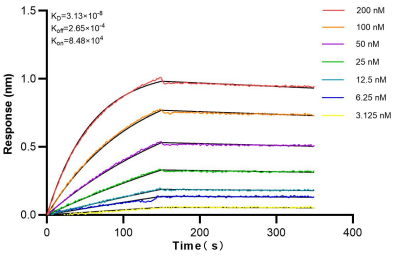

Biolayer interferometry (BLI) kinetic assays of 82747-6-RR against Human CD79A were performed. The affinity constant is 31.3 nM.