Datasheet for ABIN3043397

anti-CD79a antibody (AA 121-226)

3 Images

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Overview

Quantity:	100 µg
Target:	CD79a (CD79A)
Binding Specificity:	AA 121-226
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD79a antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-CD79a Antibody Picoband®
Immunogen:	E.coli-derived human CD79a recombinant protein (Position: T121-P226). Human CD79a shares 91% amino acid (aa) sequence identity with mouse CD79a.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-CD79a Antibody Picoband® (ABIN3043397). Tested in Flow Cytometry, IF, IHC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	CD79a (CD79A)
Alternative Name:	CD79A (CD79A Products)
Background:	Synonyms: B-cell antigen receptor complex-associated protein alpha chain,Ig-alpha,MB-1 membrane glycoprotein,Membrane-bound immunoglobulin-associated protein,Surface IgM-associated protein,CD79a,CD79A,IGA, MB1, Tissue Specificity: B-cells. Background: Cluster of differentiation CD79A also known as B-cell antigen receptor complex-associated protein alpha chain and MB-1 membrane glycoprotein, is a protein that in humans is encoded by the CD79A gene. It is mapped to 19q13.2. CD79A is a membrane protein with an extracellular immunoglobulin domain, a single span transmembrane region and a short cytoplasmic domain. Genetic deletion of the transmembrane exon of CD79A results in loss of CD79A protein and a complete block of B cell development at the pro to pre B cell transition. Similarly, humans with homozygous splice variants in CD79A predicted to result in loss of the transmembrane region and a truncated or absent protein display agammaglobulinemia and no peripheral B cells. Sequence Similarities: Contains 1 Ig-like C2-type (immunoglobulin-like) domain.
Molecular Weight:	44 kDa
Gene ID:	973
UniProt:	P11912
Pathways:	BCR Signaling

Application Details

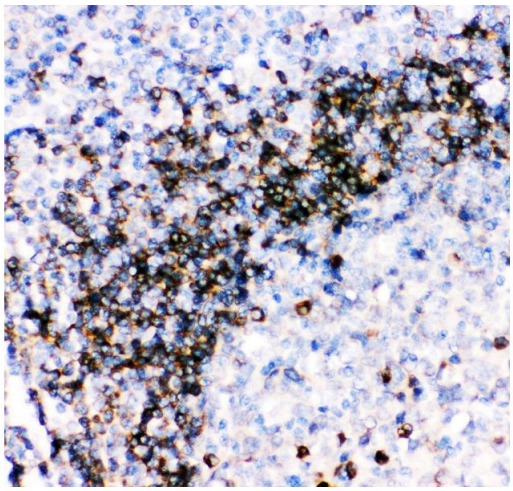
Application Notes:	Western blot, 0.1-0.5 µg/mL, Human Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/mL, Human Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human 1. Pelanda R, Braun U, Hobeika E, Nussenzweig MC, Reth M (2002). "B cell progenitors are arrested in maturation but have intact VDJ recombination in the absence of Ig-alpha and Ig-beta". J. Immunol. 169 (2): 865-72. 2. Minegishi Y, Coustan-Smith E, Rapalus L, Ersoy F, Campana D, Conley ME (1999). "Mutations in Igalpha (CD79a) result in a complete block in B-

Application Details

	cell development.". The Journal of Clinical Investigation 104 (8): 1115-21. 3. Wang Y, Kanegane H, Sanal O, Tezcan I, Ersoy F, Futatani T, Miyawaki T (2002). "Novel Ig a (CD79a) gene mutation in a Turkish patient with B cell-deficient agammaglobulinemia". American Journal of Medical Genetics 336: 333-336.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P) and ICC.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

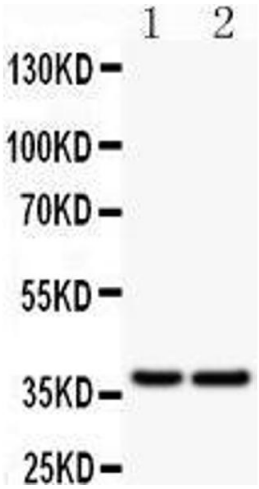


Immunohistochemistry

Image 1. Anti- CD79A picoband antibody, IHC(P) IHC(P): Human Tonsil Tissue

Western Blotting

Image 2.



Western Blotting

Image 3.