

CD79a Polyclonal Antibody

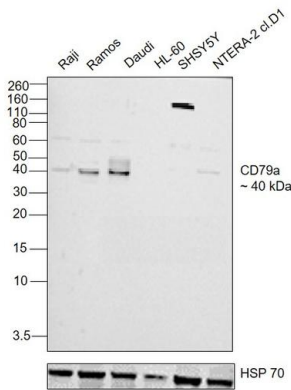
Product Details	
Size	100 µg
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	E.coli-derived human CD79a recombinant protein (Position: T121-P226).
Form	Lyophilized
Concentration	500 µg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 5mg BSA
Contains	0.05mg sodium azide
Storage conditions	-20°C
RRID	AB_2746115

Applications	Tested Dilution	Publications
Western Blot (WB)	0.1-0.5 µg/mL	-
Immunohistochemistry (IHC)	5 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	2-5 µg/mL	-
Immunocytochemistry (ICC/IF)	0.5-1 µg/mL	-
Flow Cytometry (Flow)	1-3 µg/1x10^6 cells	-

Product Specific Information

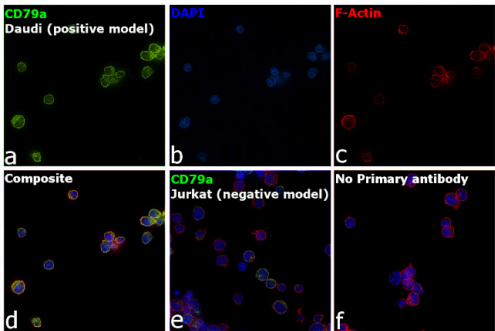
Reconstitute with 0.2 mL of distilled water to yield a concentration of 500 µg/mL.

Product Images For CD79a Polyclonal Antibody



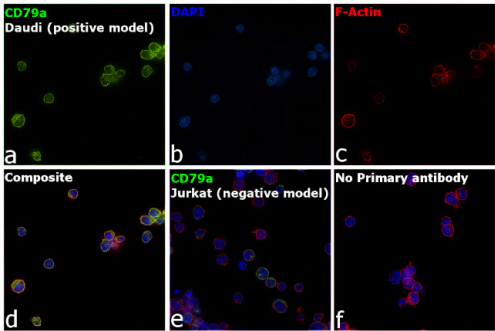
CD79a Antibody (PA5-78999) in WB

Western blot was performed using Anti-CD79a Polyclonal Antibody (Product # PA5-78999) and a 40kDa band corresponding to CD79a was observed across cell lines tested. Whole cell extracts (30 µg lysate) of Raji (Lane 1), Ramos (Lane 2), Daudi (Lane 3), HL-60 (Lane 4), SH-SY5Y (Lane 5), NTERA-2 cl.D1 (Lane 6) were electrophoresed using NuPAGE™ 12% Bis-Tris Protein Gel (Product # NP0342BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036,1:5000) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



CD79a Antibody (PA5-78999)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Immunofluorescence analysis using Anti-CD79a Polyclonal Antibody (Product # PA5-78999), shows plasma membrane and cytoplasmic localization in Daudi cells as compared to Jurkat cells which is reported to be low to negative for CD79a expression. {RE}



CD79a Antibody (PA5-78999) in ICC/IF

Immunofluorescence analysis of CD79a was performed using 70% confluent log phase Daudi cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 45 minutes at room temperature. The cells were labeled with CD79a Polyclonal Antibody (Product # PA5-78999) at 1:100 in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32790), (1:2000), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b: Blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing plasma membrane and cytoplasm localization. Panel e represents Jurkat cells showing no expression of CD79a. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.

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