

CD79a Monoclonal Antibody (HM47/A9)

Product Details	
Size	500 µL
Species Reactivity	Bovine, Chicken, Horse, Guinea pig, Human, Mouse, Non-human primate, Pig, Rabbit, Rat
Published Species	Dog, Rat, Human, Mouse
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	HM47/A9
Conjugate	Unconjugated
Immunogen	A synthetic peptide consisting of GTYQDVGSLNIADVQ of human CD79a protein
Form	Liquid
Concentration	400 mg/mL
Purification	Protein G
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_10981393

Applications	Tested Dilution	Publications
Western Blot (WB)	1:25-1:50	-
Immunohistochemistry (IHC)	-	6 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:200-1:400	-
Immunocytochemistry (ICC/IF)	1:100	-

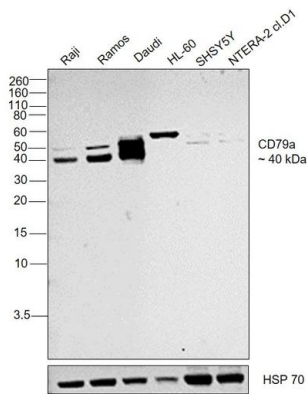
Product Specific Information

MA5-13212 targets CD79a in IF, IHC (P), and WB applications and shows reactivity with Bovine, Equine, Guinea Pig, Human, mouse, Non-human primate, Porcine, Rabbit, Chicken, and Rat samples.

The MA5-13212 immunogen is a synthetic peptide consisting of GTYQDVGSLNIADVQ of human CD79a protein.

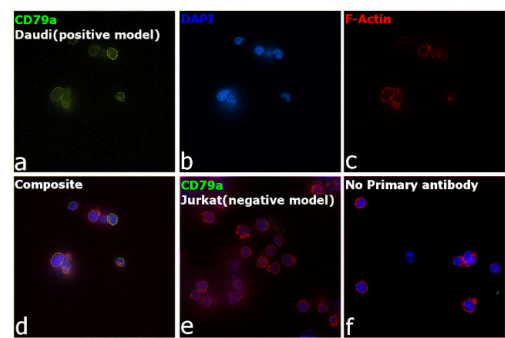
MA5-13212 is not functional in IHC (P) in its B format.

Product Images For CD79a Monoclonal Antibody (HM47/A9)



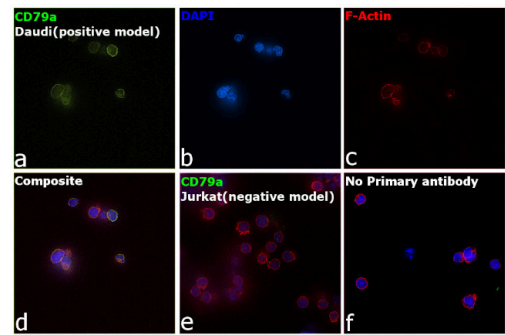
CD79a Antibody (MA5-13212) in WB

Western blot was performed using Anti-CD79a Monoclonal Antibody (HM47/A9) (Product # MA5-13212) 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 (1:50) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:5000) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



CD79a Antibody (MA5-13212)

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 Monoclonal Antibody (HM47/A9) (Product # MA5-13212), 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 (MA5-13212) 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 Monoclonal Antibody (HM47/A9) (Product # MA5-13212) at 1:100 in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32766), (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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Immunohistochemistry (6)

<p>Journal of zoo and wildlife medicine : official publication of the American Association of Zoo Veterinarians</p> <p>Lymphocytic leukemia in a captive dhole (Cuon alpinus).</p> <p>"MA5-13212 was used in immunohistochemistry to report on a case of lymphocytic leukemia in a captive dhole"</p> <p>Authors: Scala C,Ortiz K,Nicolier A,Briend-Marchal A</p>	<p>Year 2013</p> <p>Species Dog</p> <p>Dilution 1:200</p>
<p>Haematologica</p> <p>Blastic plasmacytoid dendritic cell neoplasm with leukemic presentation: an Italian multicenter study.</p> <p>"MA5-13212 was used in immunohistochemistry to evaluate 43 cases of blastic plasmacytoid dendritic cell neoplasm with leukemic presentation"</p> <p>Authors: Pagano L,Valentini CG,Pulsoni A,Fisogni S,Carluccio P,Mannelli F,Lunghi M,Pica G,Onida F,Cattaneo C, Piccaluga PP,Di Bona E,Todisco E,Musto P,Spadea A,D'Arco A,Pileri S,Leone G,Amadori S,Facchetti F</p>	<p>Year 2013</p> <p>Species Human</p>

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