

# Product Datasheet

## CD79A Antibody (JCB117 + HM47/A9) - Azide and BSA Free NBP2-34653-0.1mg

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

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**NBP2-34653-0.1mg**

CD79A Antibody (JCB117 + HM47/A9) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	JCB117 + HM47/A9
Preservative	No Preservative
Isotype	IgG1 Kappa/IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	44 kDa

Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-34330).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	973
Gene Symbol	CD79A
Species	Human, Mouse, Rat, Porcine, Bovine, Monkey
Marker	B Cell Marker
Specificity/Sensitivity	A disulphide-linked heterodimer, consisting of mb-1 (or CD79a) and B29 (or CD79b) polypeptides, is non-covalently associated with membrane-bound immunoglobulins on B cells. This complex of mb-1 and B29 polypeptides and immunoglobulin constitute the B cell Ag receptor. CD79a first appears at pre B cell stage, early in maturation, and persists until the plasma cell stage where it is found as an intracellular component. CD79a is found in the majority of acute leukemias of precursor B cell type, in B cell lines, B cell lymphomas, and in some myelomas. It is not present in myeloid or T cell lines. Anti-CD79a is generally used to complement anti-CD20 especially for mature B-cell lymphomas after treatment with Rituximab (anti-CD20). This antibody will stain many of the same lymphomas as anti-CD20, but also is more likely to stain B-lymphoblastic lymphoma/leukemia than is anti-CD20. Anti-CD79a also stains more cases of plasma cell myeloma and occasionally some types of endothelial cells as well.
Immunogen	A synthetic peptide corresponding to aa 202-216 (GTYQDVGSLNIADVQ) of human CD79A protein (JCB117 and HM47/A9). (Uniprot: P11912)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Western Blot 0.5-1ug/ml, Flow Cytometry 0.5-1ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 0.5-1ug/ml, Immunohistochemistry-Paraffin 0.5-1ug/ml, CyTOF-ready

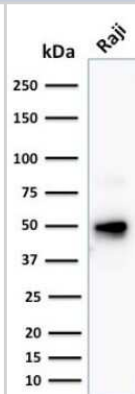


**Application Notes**

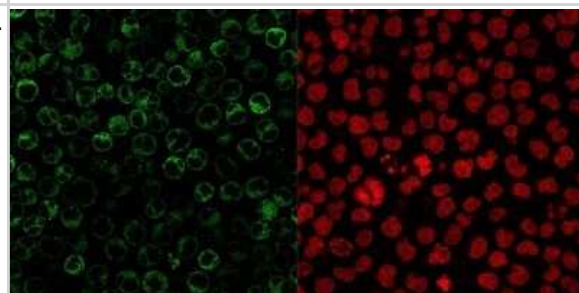
Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

**Images**

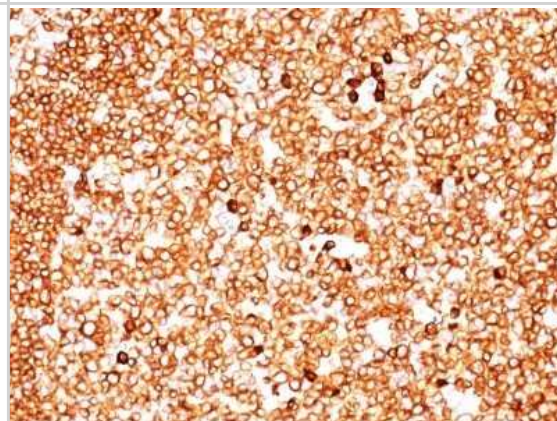
Western Blot: CD79A Antibody (JCB117 + HM47/A9) - Azide and BSA Free [NBP2-34653] - Western Blot Analysis of human Raji cell lysate using CD79A Antibody (JCB117 + HM47/A9).



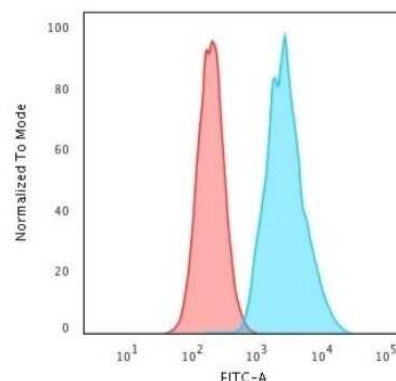
Immunocytochemistry/Immunofluorescence: CD79A Antibody (JCB117 + HM47/A9) - Azide and BSA Free [NBP2-34653] - Immunofluorescent staining of paraformaldehyde-fixed Raji cells. CD79A Antibody (JCB117 + HM47/A9) followed by goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Red Dot (Red)



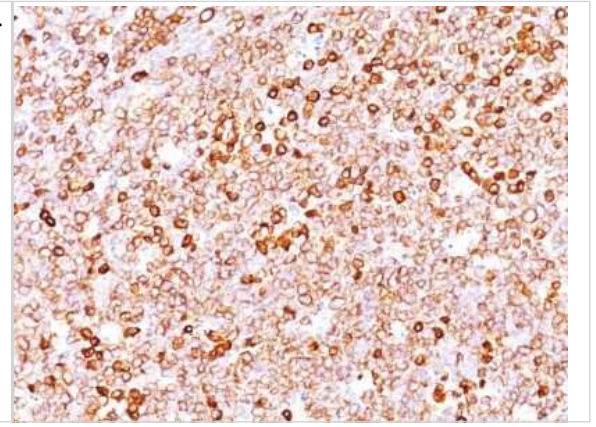
Immunohistochemistry-Paraffin: CD79A Antibody (JCB117 + HM47/A9) - Azide and BSA Free [NBP2-34653] - Formalin-fixed, paraffin-embedded human tonsil (20X) stained with CD79a MAb (JCB117 + HM47/A9).



Flow Cytometry: CD79A Antibody (JCB117 + HM47/A9) - Azide and BSA Free [NBP2-34653] - Flow Cytometric Analysis of Raji cells. CD79A Antibody (JCB117 + HM47/A9) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Immunohistochemistry-Paraffin: CD79A Antibody (JCB117 + HM47/A9) - Azide and BSA Free [NBP2-34653] - Formalin-fixed, paraffin-embedded human tonsil (10X) stained with CD79a MAb (JCB117 + HM47/A9).





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### **Products Related to NBP2-34653-0.1mg**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-60209-50ug	Recombinant Human CD79A His Protein
7268-CT-100	CTLA-4 [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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