

Product Datasheet

CD79A Antibody (HM47/A9)

NBP2-44738-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-44738-0.1mg

CD79A Antibody (HM47/A9)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	HM47/A9
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	44 kDa

Product Description	
Description	<p>200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-34637)</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.</p>
Host	Mouse
Gene ID	973
Gene Symbol	CD79A
Species	Human, Mouse, Rat, Porcine, Bovine, Monkey
Marker	B-Cell Marker
Specificity/Sensitivity	<p>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.</p>
Immunogen	A synthetic peptide corresponding to aa 202-216 (GTQDVGSLNIADVQ) of human CD79A protein. (Uniprot: P11912)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml

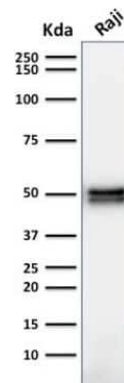


Application Notes

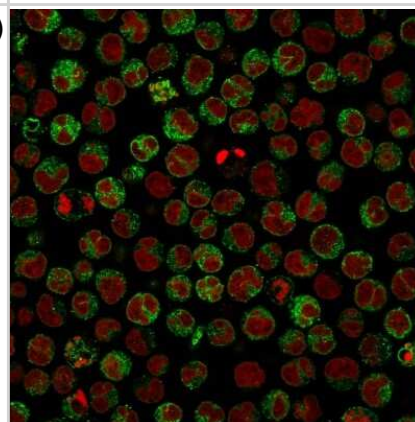
Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

Images

Western Blot: CD79A Antibody (HM47/A9) [NBP2-44738] - Western Blot Analysis of Raji cell lysate using CD79A Antibody (HM47/A9).



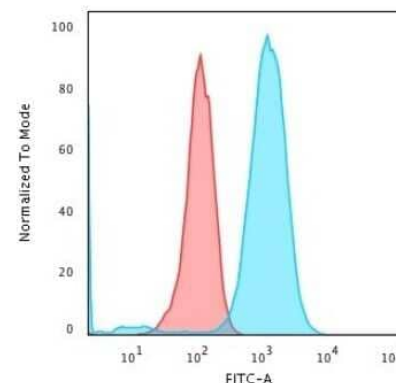
Immunocytochemistry/Immunofluorescence: CD79A Antibody (HM47/A9) [NBP2-44738] - Immunofluorescence Analysis of Raji cells labeling CD79a with CD79A Antibody (HM47/A9). The nuclear counterstain is Red Dot (Red)



Immunohistochemistry-Paraffin: CD79A Antibody (HM47/A9) [NBP2-44738] - Formalin-fixed, paraffin-embedded human Tonsil stained with CD79A Antibody (HM47/A9).



Flow Cytometry: CD79A Antibody (HM47/A9) [NBP2-44738] - Flow Cytometric Analysis of Raji cells. CD79A Antibody (HM47/A9) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Immunohistochemistry-Paraffin: CD79A Antibody (HM47/A9) [NBP2-44738] - Formalin-fixed, paraffin-embedded human tonsil stained with CD79a antibody (HM47/A9).



Publications

Kotb S, Allende C, O'Neill TW et al. A case of canine renal lymphoma of granular lymphocytes with severe polycythemia BMC veterinary research 2021-04-14 [PMID: 33853604]





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Products Related to NBP2-44738-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-60209-50ug	Recombinant Human CD79A His Protein

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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