

# Product Datasheet

## CD79A Antibody (IGA/764)

### NBP2-44741-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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**NBP2-44741-0.1mg**

CD79A Antibody (IGA/764)

| Product Information     |                          |
|-------------------------|--------------------------|
| Unit Size               | 0.1 mg                   |
| Concentration           | 0.2 mg/ml                |
| Storage                 | Store at 4C.             |
| Clonality               | Monoclonal               |
| Clone                   | IGA/764                  |
| 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             | 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. (NBP3-11494)<br><br>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  |
| 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               | Recombinant full-length 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 |

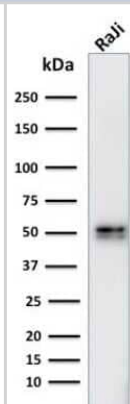


**Application Notes**

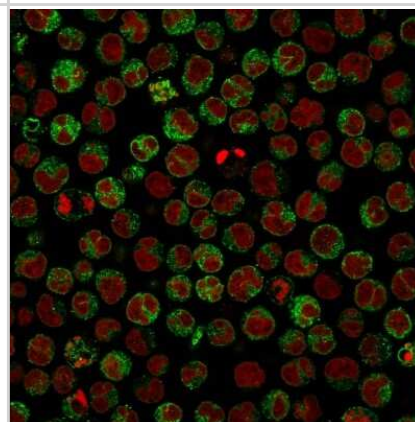
Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

**Images**

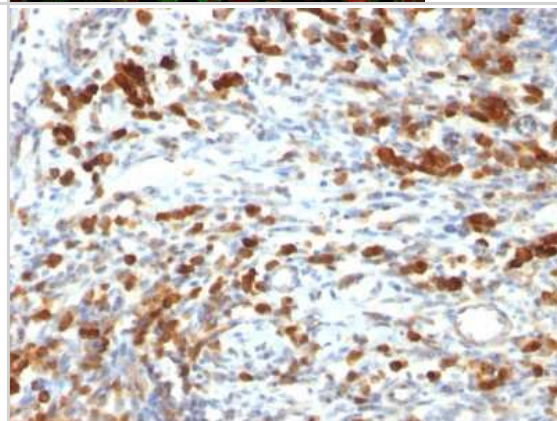
Western Blot: CD79A Antibody (IGA/764) [NBP2-44741] - Western Blot Analysis of human Raji cell lysate using CD79A Antibody (IGA/764).



Immunocytochemistry/Immunofluorescence: CD79A Antibody (IGA/764) [NBP2-44741] - Immunofluorescence Analysis of Raji cells. CD79A Antibody (IGA/764) The nuclear counterstain is Red Dot (Red)



Immunohistochemistry-Paraffin: CD79A Antibody (IGA/764) [NBP2-44741] - Formalin-fixed, paraffin-embedded human Lymphoma stained with CD79A Antibody (IGA/764)





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### **Products Related to NBP2-44741-0.1mg**

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

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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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