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Datasheet for ABIN6941270

## Recombinant anti-CD79a antibody (AA 202-216)

### 6 Images

#### Overview

Quantity:	100 µg
Target:	CD79a (CD79A)
Binding Specificity:	AA 202-216
Reactivity:	Human, Mouse, Rat, Cow, Pig, Monkey
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This CD79a antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Western Blotting (WB), Immunohistochemistry (IHC), Staining Methods (StM)

#### Product Details

Immunogen:	A synthetic peptide corresponding to aa 202-216 (GTYQDVGSLNIADVQ) of human CD79a protein.
Clone:	IGA-1790R
Isotype:	IgG

#### Target Details

Target:	CD79a (CD79A)
Alternative Name:	CD79A ( <a href="#">CD79A Products</a> )

## Target Details

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**Background:** 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.

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**Molecular Weight:** 44kDa

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**Gene ID:** 973

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**UniProt:** [P11912](#)

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**Pathways:** [BCR Signaling](#)

## Application Details

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**Application Notes:** Positive Control: RaJi or Daudi or Ramos cells. Germinal center B- cells in a lymph node or tonsil.

Known Application: Immunofluorescence (1-2 µg/mL), Flow Cytometry (1-2 µg/million cells), Western Blot (0.5-1 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

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**Restrictions:** For Research Use only

## Handling

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**Concentration:** 200 µg/mL

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**Buffer:** 10 mM PBS with 0.05 % BSA & 0.05 % azide.

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**Preservative:** Sodium azide

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**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

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## Handling

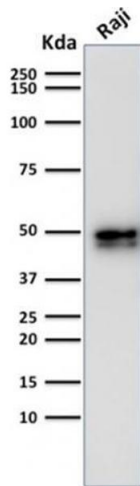
should be handled by trained staff only.

Storage: 4 °C,-80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

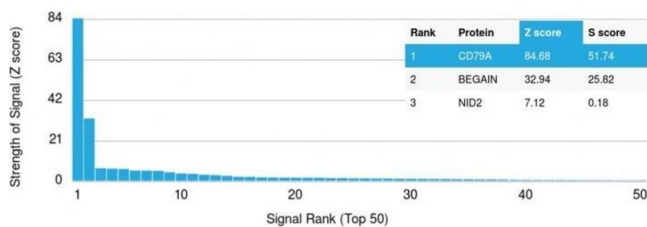
Expiry Date: 24 months

## Images



### Western Blotting

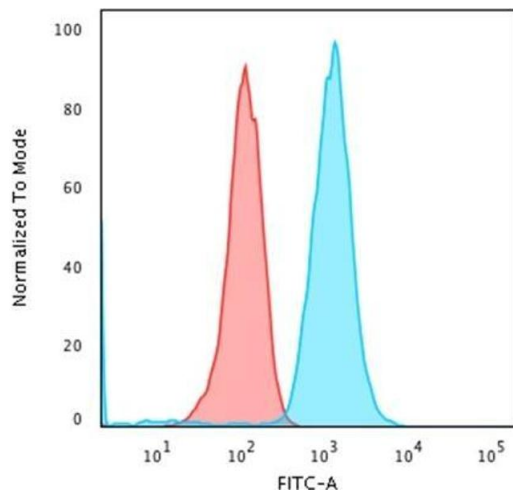
**Image 1.** Western Blot Analysis of Raji cell lysate using CD79a Rabbit Recombinant Monoclonal Antibody (IGA/1790).



### Protein Array

**Image 2.** Analysis of Protein Array containing more than 19,000 full-length human proteins using CD79a Rabbit Recombinant Monoclonal Antibody (IGA/1790R). Z- and S-Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with

a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



### Flow Cytometry

**Image 3.** Flow Cytometric Analysis of Raji cells using CD79a Rabbit Recombinant Monoclonal Antibody (IGA/1790R ) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN6941270.