

Datasheet for ABIN6941261

**anti-CD79a antibody****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	CD79a (CD79A)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD79a antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Staining Methods (StM), Coating (Coat)

## Product Details

Immunogen:	IgM complex isolated from Daudi cells.
Clone:	ZL7-4
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

## Target Details

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

## Target Details

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.

Molecular Weight:	44kDa
-------------------	-------

Gene ID:	973
----------	-----

UniProt:	<a href="#">P11912</a>
----------	------------------------

Pathways:	<a href="#">BCR Signaling</a>
-----------	-------------------------------

## Application Details

Application Notes:	Positive Control: Raji, Daudi, Ramos cells. Germinal center B- cells in a lymph node or tonsil. Known Application: ELISA (For coating, order antibody without BSA), Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (1-2 µg/mL), Western Blot (0.5-1.0 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.
--------------------	--

Restrictions:	For Research Use only
---------------	-----------------------

## Handling

Concentration:	200 µg/mL
----------------	-----------

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

Preservative:	Sodium azide
---------------	--------------

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
--------------------	--

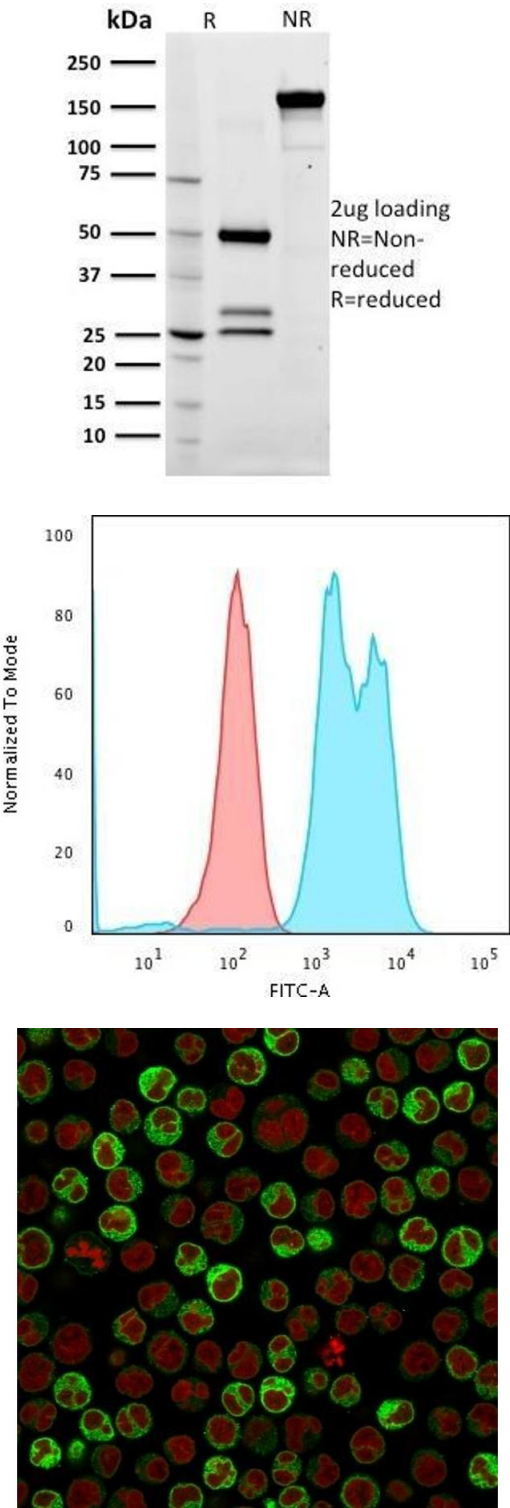
Storage:	4 °C,-80 °C
----------	-------------

Handling

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



SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified CD79a Mouse Monoclonal Antibody (ZL7-4). Confirmation of Integrity and Purity of Antibody.

Flow Cytometry

**Image 2.** Flow Cytometric Analysis of Raji cells using CD79a Mouse Monoclonal Antibody (ZL7-4) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

Immunofluorescence

**Image 3.** Immunofluorescence Analysis of PFA-fixed Raji cells labeling CD79a with CD79a Mouse Monoclonal Antibody (ZL7-4) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Reddot (Red)