

Datasheet for ABIN7505955
anti-CD79a antibody



[Go to Product page](#)

2 Images

Overview

Quantity:	0.1 mg
Target:	CD79a (CD79A)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD79a antibody is un-conjugated
Application:	Flow Cytometry (FACS), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-Hu CD79a Purified
Immunogen:	IgM complex isolated from Daudi cells
Clone:	ZL7-4
Isotype:	IgG1 kappa
Specificity:	The mouse monoclonal antibody ZL7.4 interacts with extracellular domain of CD79a (Ig alpha), a 40-45 kDa subunit of B cell antigen-specific receptor (BCR) and its early developmental forms.
Purification:	Purified by protein-A affinity chromatography.

Target Details

Target:	CD79a (CD79A)
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Target Details

Alternative Name: CD79a ([CD79A Products](#))

Background: CD79a molecule, CD79a (Ig alpha, MB1) forms disulfide-linked heterodimer with CD79b (Ig beta). They both are transmembrane proteins with extended cytoplasmic domains containing immunoreceptor tyrosine activation motives (ITAMs), and together with cell surface immunoglobulin they constitute B-cell antigen-specific receptor (BCR). CD79a and b are the first components of BCR that are expressed developmentally. They appear on pro-B cells in association with the endoplasmic reticulum chaperone calnexin. Subsequently, in pre-B cells, CD79 heterodimer is associated with lambda5-VpreB surrogate immunoglobulin and later with antigen-specific surface immunoglobulins. At the plasma cell stage, CD79a is present as an intracellular component. CD79a/b complex interacts with Src-family tyrosine kinase Lyn, which phosphorylates its cytoplasmic ITAM motives to form docking sites for downstream signaling., BCR alpha, Ig-alpha, MB-1, IGA

Gene ID: 973

UniProt: [P11912](#)

Pathways: [BCR Signaling](#)

Application Details

Application Notes: Flow cytometry: Extracellular and intracellular staining, recommended dilution: 1-5 µg/mL.

Restrictions: For Research Use only

Handling

Concentration: 1 mg/mL

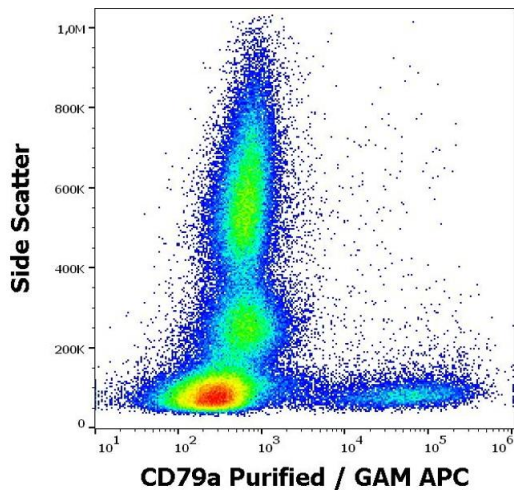
Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide

Preservative: Sodium azide

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

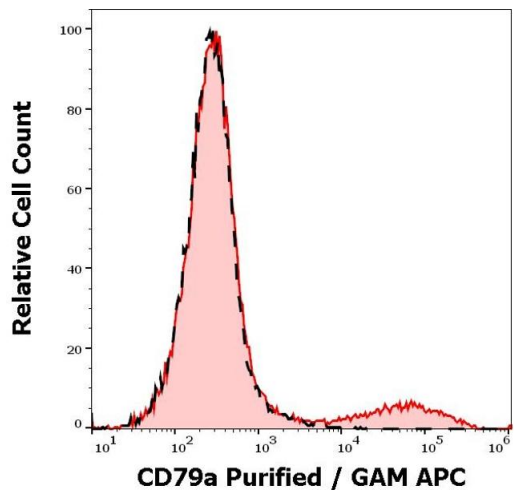
Storage: 4 °C

Storage Comment: Store at 2-8°C. Do not freeze.



Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD79a (ZL7/4) purified antibody (concentration in sample 5 µg/mL, GAM APC).



Flow Cytometry

Image 2. Separation of lymphocytes stained anti-human CD79a (ZL7/4) purified antibody (concentration in sample 5 µg/mL, GAM APC, red-filled) from lymphocytes unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (surface staining).