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Datasheet for ABIN6941266
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:	Mouse
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 (JCB117 and HM47/A9).
Clone:	JCB117-HM47-A9
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	CD79a (CD79A)
Alternative Name:	CD79A (CD79A Products)

Target Details

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.

Molecular Weight: 44kDa

Gene ID: 973

UniProt: [P11912](#)

Pathways: [BCR Signaling](#)

Application Details

Application Notes: Positive Control: Raji, Daudi or Ramos cells. Germinal center B- cells in a lymph node or tonsil.
Known Application: Western Blot (1-2 µg/mL), Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1.0 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.

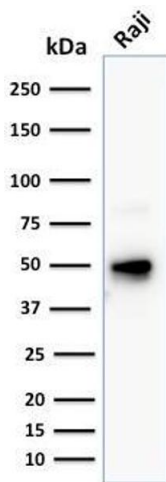
Handling

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.

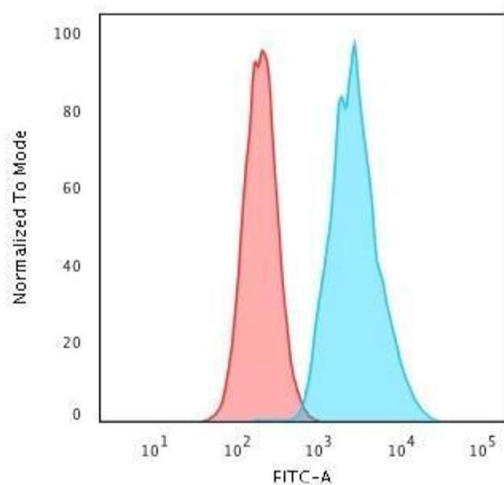
Expiry Date: 24 months

Images



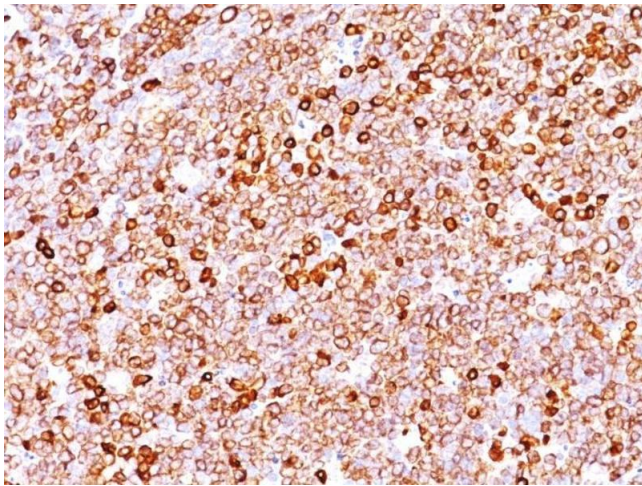
Western Blotting

Image 1. Western Blot Analysis of human Raji cell lysate using CD79a Mouse Monoclonal Antibody (JCB117 + HM47/A9).



Flow Cytometry

Image 2. Flow Cytometric Analysis of Raji cells. CD79a Mouse Monoclonal Antibody (JCB117 + HM47/A9) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Tonsil stained with CD79a Mouse Monoclonal Antibody (JCB117 + HM47/A9).

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN6941266.