Mouse anti-Human CD79a Monoclonal Antibody | anti-CD79A antibody

CD79a (B-Cell Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215318	**Mouse**	**Human**	**Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA**

PRODUCT SYNONYMS

CD79a; Monoclonal Antibody; CD79a (B-Cell Marker); B lymphocyte-specific MB1 protein; B-cell antigen receptor complex-associated protein alpha chain; CD79a molecule immunoglobulin associated alpha; Ig-alpha; IGA; IgM-alpha; Immunoglobulin-associated alpha; Ly54; MB-1 membrane glycoprotein; Membrane-bound immunoglobulin-associated protein; Surface IgM-associated protein; anti-CD79A antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	ZL7-4
Specificity	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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	226
Applicable Applications for anti-CD79A antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Positive Control	Raji, Daudi, Ramos cells. Germinal center B- cells in a lymph node or tonsil.
Immunogen	IgM complex isolated from Daudi cells.
Cellular Localization	Cell Surface
Hu-chromosome Location	19q13.2
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES

IF (Immunofluorescence)
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

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

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

ADDITIONAL INFORMATION

References	Mason, DY, et al. 1995. Blood 86: 1453-1459

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502685
NCBI GeneID	973
NCBI Accession #	NP_001774.1
NCBI GenBank Nucleotide #	NP_001774.1
UniProt Accession #	P11912
Molecular Weight	44kDa
NCBI Official Full Name	B-cell antigen receptor complex-associated protein alpha chain isoform 1
NCBI Official Synonym Full Names	CD79a molecule
NCBI Official Symbol	CD79A
NCBI Official Synonym Symbols	IGA; MB-1
NCBI Protein Information	B-cell antigen receptor complex-associated protein alpha chain
UniProt Protein Name	B-cell antigen receptor complex-associated protein alpha chain
UniProt Gene Name	**CD79A**
UniProt Synonym Gene Names	IGA; MB1
UniProt Entry Name	CD79A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/cd79a-antibody-clone-zl7-4-immunohistochemistry-western-blot-immunofluorescence-flow-cytometry-elisa/215318