



# Rabbit Anti-Human CD79A Monoclonal Antibody, clone CQ7151 (CABT-Z212R)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Immunogen</b>	Synthetic peptide corresponding to CD79a residues within aa1-100 of CD79a was used as an immunogen.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	CQ7151
<b>Purification</b>	ProA affinity purified IgG.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P Recommended concentration: IHC-P: 1:100-1:200
<b>Molecular Weight</b>	25 kDa
<b>Cellular Localization</b>	Membrane
<b>Positive Control</b>	Tonsil
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	100 µl

<b>Buffer</b>	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.
<b>Preservative</b>	0.01% Sodium azide
<b>Storage</b>	Store at -20 °C. Avoid freeze/thaw cycles.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	<p>Cluster of differentiation CD79a also known as B-cell antigen receptor complex-associated protein alpha chain is a protein that in humans is encoded by the CD79A gene. The CD79a protein together with the related CD79b protein, forms a dimer associated with membrane-bound immunoglobulin in B-cells, thus forming the B-cell antigen receptor (BCR), and plays multiple and diverse roles in B cell development and function.</p> <p>CD79a protein is expressed in virtually all mature and immature B cells and the majority of B-cell neoplasms, including precursor B–acute lymphocytic leukemia (pre-B–ALL), L and H lymphocyte predominance Hodgkin's lymphoma, and many plasma cell tumors.</p> <p>Therefore, antibodies to CD79a are useful in the differential diagnosis of B-cell neoplasms from T-cell neoplasms or myeloid neoplasms, or L and H lymphocyte predominance Hodgkin's lymphoma from classic Hodgkin's lymphoma. In addition, CD79a is a useful marker in the diagnosis of precursor B–acute lymphoblastic leukemia (pre-B–ALL) because many of these tumors are negative for other B-cell markers, such as CD20 and CD45RA.</p>
<b>Keywords</b>	<p>Ig-alpha; MB-1 membrane glycoprotein; Membrane-bound immunoglobulin-associated protein; Surface IgM-associated protein; CD79A; B-cell antigen receptor complex-associated protein alpha chain</p>

## GENE INFORMATION

<b>Gene Name</b>	CD79A
<b>Entrez Gene ID</b>	<a href="#">973</a>
<b>UniProt ID</b>	<a href="#">P11912</a>