

CD79a
Recombinant Rabbit Monoclonal Antibody
Product Datasheet

Catalog# BX50035
Clone# BP6040

Predicted Molecular Wt: 25kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P11912

Background:

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.

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.

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.

Subcellular location:

Membrane

Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Synthetic peptide corresponding to CD79a residues within aa1-100 of CD79a was used as an immunogen.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:

-20°C

Storage instructions:

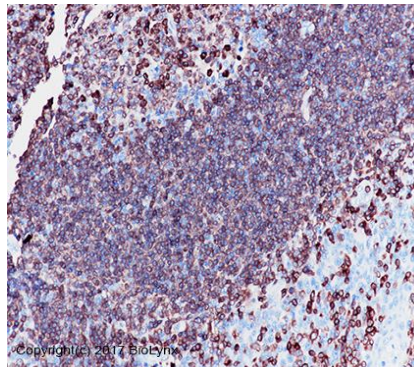
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

IHC-P: 1:100-1:200

Background References:

1. Seda V, et.al, Eur J Haematol. 2015 Mar;94(3):193-205.
2. Chu PG, et.al, Appl Immunohistochem Mol Morphol. 2001 Jun;9(2):97-106.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections analysis of tonsil tissue labelling CD79a with BP6040. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

Product QC'd by:



For research use only. Not for use in diagnostic or therapeutic applications.