

Product Datasheet

Recombinant CD79a Antibody / Rabbit Monoclonal (orb534000)

Catalog Number	orb534000
Category	Antibodies
Description	<p>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). CD79a plays multiple and diverse roles in B cell development and function. The CD79a/b heterodimer associates non-covalently with the immunoglobulin heavy chain through its transmembrane region, thus forming the BCR along with the immunoglobulin light chain and the pre-BCR when associated with the surrogate light chain in developing B cells. Association of the CD79a/b heterodimer with the immunoglobulin heavy chain is required for surface expression of the BCR and BCR induced calcium flux and protein tyrosine phosphorylation. [Wiki]</p>
Clonality	Recombinant
Species/Host	Rabbit
Isotype	Rabbit IgG, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
Purification	Protein A affinity chromatography
Immunogen	Amino acids 202-216 (GTYQDVGSLNIADVQ) were used as the immunogen for the recombinant CD79a antibody.
UniProt ID	P11912

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

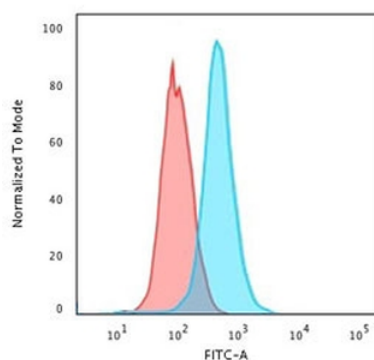
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Tested applications	FACS, IF, IHC-P, WB
Dilution range	Western blot: 1-2ug/ml, Immunofluorescence: 1-2ug/ml, Flow cytometry: 1-2ug/10 ⁶ cells, Immunohistochemistry (FFPE): 0.5-1ug/ml for 30 min at RT (1)
Application notes	The stated application concentrations are suggested starting points. Titration of the CD79a antibody may be required due to differences in protocols and secondary/substrate sensitivity.1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.
Antibody Type	Primary Antibody
Clone Number	CDLA79a-3R
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Flow cytometry testing of human Raji cells with recombinant CD79a antibody (clone CDLA79a-3R); Red = isotype control, Blue = CD79a antibody.

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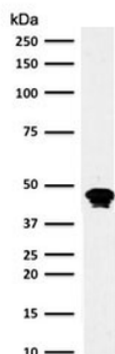
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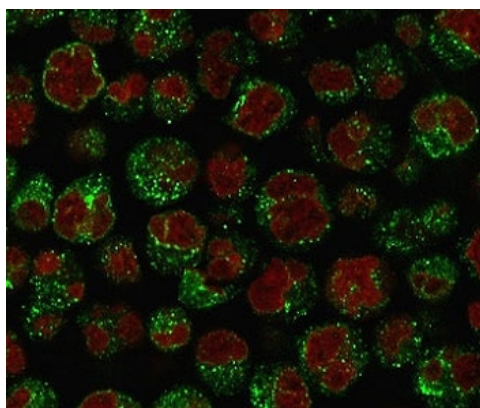
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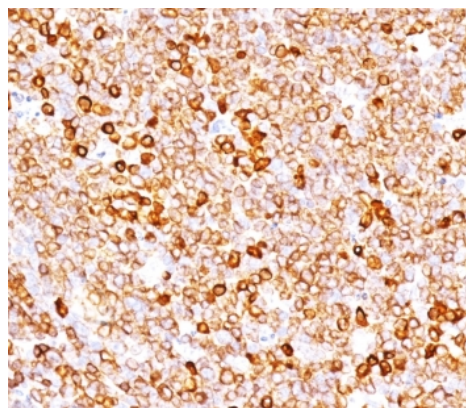
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Western blot testing of human Raji cell lysate with recombinant CD79a antibody (clone CDLA79a-3R). Expected molecular weight: 25-47 kDa depending on glycosylation level.



Immunofluorescent staining of PFA-fixed human Raji cells with recombinant CD79a antibody (green, clone CDLA79a-3R) and Reddot nuclear stain (red).



IHC testing of FFPE human tonsil with recombinant CD79a antibody (clone CDLA79a-3R). Required HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA followed by cooling at RT for 20 min.

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