

## Product Datasheet

# Recombinant CD79a Antibody / Rabbit Monoclonal (orb534000)

<b>Catalog Number</b>	orb534000
<b>Category</b>	Antibodies
<b>Description</b>	<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>
<b>Clonality</b>	Recombinant
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG, kappa
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Buffer/Preservatives</b>	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
<b>Purification</b>	Protein A affinity chromatography
<b>Immunogen</b>	Amino acids 202-216 (GTYQDVGSLNIADVQ) were used as the immunogen for the recombinant CD79a antibody.
<b>UniProt ID</b>	<b>P11912</b>

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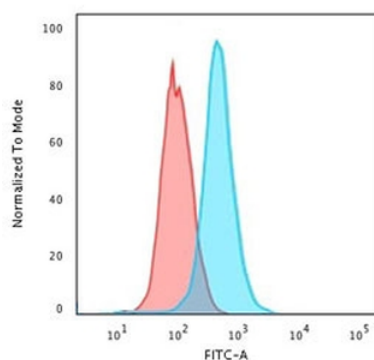
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<b>Tested applications</b>	FACS, IF, IHC-P, WB
<b>Dilution range</b>	Western blot: 1-2ug/ml, Immunofluorescence: 1-2ug/ml, Flow cytometry: 1-2ug/10 <sup>6</sup> cells, Immunohistochemistry (FFPE): 0.5-1ug/ml for 30 min at RT (1)
<b>Application notes</b>	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.
<b>Antibody Type</b>	Primary Antibody
<b>Clone Number</b>	CDLA79a-3R
<b>Storage</b>	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.
<b>Note</b>	For research use only
<b>Expiration Date</b>	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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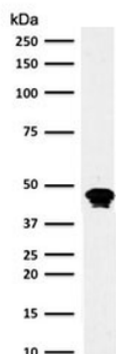
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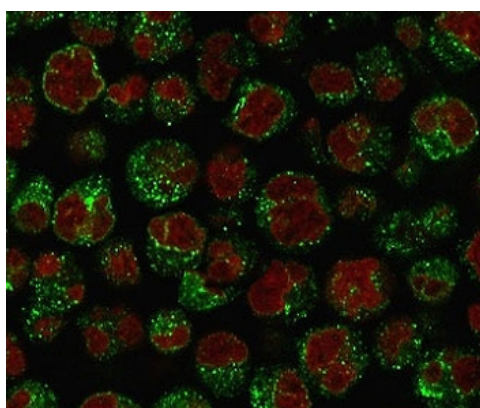
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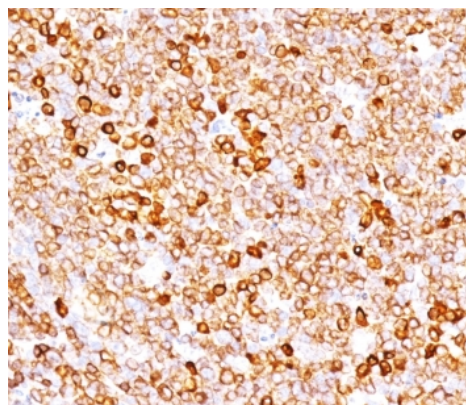
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Western blot testing of human Raji cell lysate with recombinant CD79a antibody (clone CDLA79a-3R). Expected molecular weight: 25-47 kDa depending on glycosylation level.



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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