

## Product Datasheet

# Recombinant CD79a Antibody / Rabbit Monoclonal (orb750086)

<b>Catalog Number</b>	orb750086
<b>Category</b>	Antibodies
<b>Description</b>	<p>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.</p>
<b>Clonality</b>	Recombinant
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG, kappa
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human, Mouse, Rat
<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

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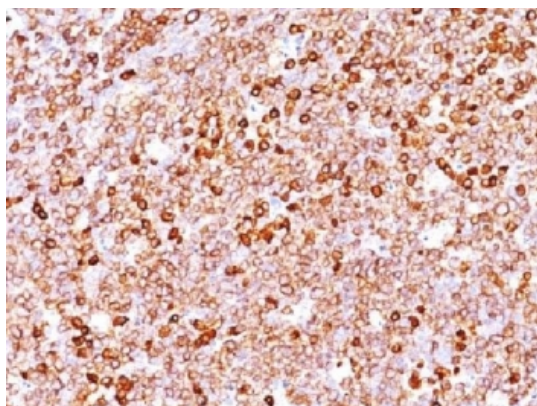
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<b>Immunogen</b>	Amino acids 202-216 (GTYQDVGSLNIADVQ) were used as the immunogen for the recombinant CD79a antibody.
<b>UniProt ID</b>	<b>P11912</b>
<b>Tested applications</b>	FACS, IF, IHC-P, WB
<b>Dilution range</b>	Western blot: 1-2ug/ml, Immunofluorescence: 1-2ug/ml, Flow cytometry: 1-2ug/10 <sup>6</sup> cells, Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
<b>Application notes</b>	Optimal dilution of the recombinant CD79a antibody should be determined by the researcher. 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>	IGA/1688R
<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.



IHC testing of FFPE human tonsil with recombinant CD79a antibody (clone IGA/1688R). Required HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA, for 10-20 min followed by cooling at RT for 20 min.

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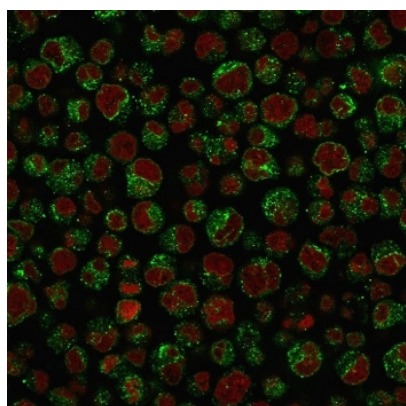
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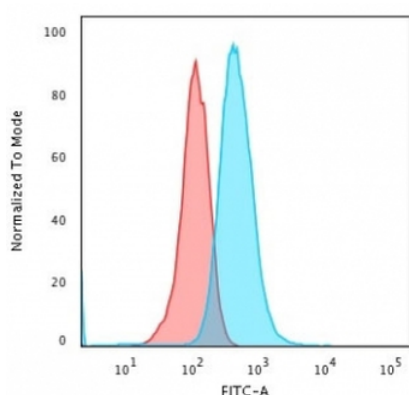
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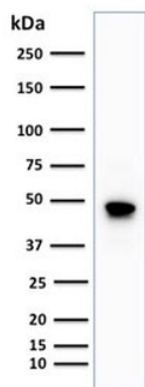
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Immunofluorescent staining of PFA-fixed human Raji cells with recombinant CD79a antibody (green, clone IGA/1688R) and Reddot nuclear stain (red).



Flow cytometry testing of human Raji cells with recombinant CD79a antibody (clone IGA/1688R); Red = isotype control, Blue = CD79a antibody.



Western blot testing of human Raji cell lysate with recombinant CD79a antibody (clone IGA/1688R). Expected molecular weight: 25-47 kDa depending on glycosylation level.

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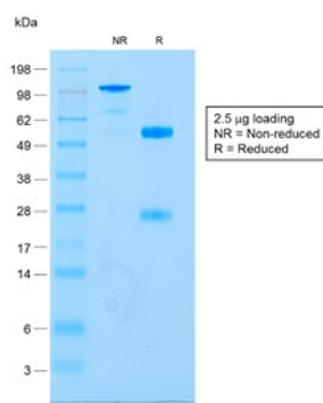
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SDS-PAGE analysis of purified, BSA-free recombinant CD79a antibody (clone IGA/1688R) as confirmation of integrity and purity.

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