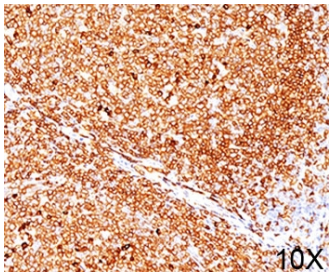
CD79a Antibody [clone JCB117] (V2078)

Catalog No.	Formulation	Size
V2078-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2078-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2078SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2078IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

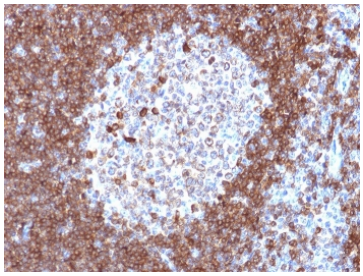
Citations (7)

Bulk quote request

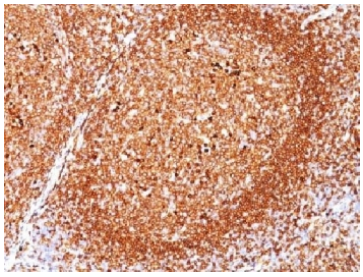
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	JCB117
Purity	Protein G affinity chromatography
Gene ID	973
Localization	Cell surface, cytoplasmic
Applications	Western blot: 1-2ug/ml Flow cytometry: 1-2ug/10^6 cells Immunofluorescence: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This **CD79a antibody** is available for research use only.



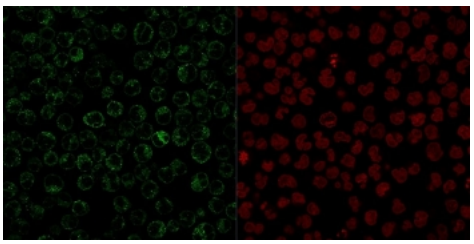
IHC testing of FFPE human tonsil stained with CD79a antibody (clone JCB117). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.



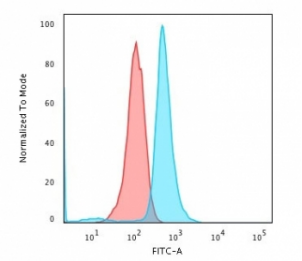
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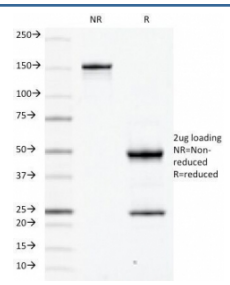
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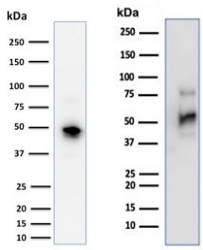
Immunofluorescent staining of PFA-fixed human Raji cells with CD79 antibody (clone JCB117, green) and Reddot nuclear stain (red).



Flow cytometry testing of human Raji cells with CD79a antibody (clone JCB117); Red=isotype control, Blue= CD79a antibody.



SDS-PAGE analysis of purified, BSA-free CD79a antibody (clone JCB117) as confirmation of integrity and purity.



Western blot testing of two different lots of human Raji cell lysate with CD79a antibody (clone JCB117). Expected molecular weight: 25-47 kDa depending on glycosylation level.

Description

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. It is found in the majority of acute leukemias of B-cell precursors, lines and lymphomas, and in some myelomas. It is not present in myeloid or Tcell lines. CD79a antibody is generally used to complement CD20 mAb, especially for mature B-cell lymphomas after treatment with Rituximab (anti-CD20). This CD79a antibody will stain many of the same lymphomas as CD20 mAb, but also is more likely to stain B-lymphoblastic lymphoma/leukemia than is CD20 mAb. CD79a antibody also stains more cases of plasma cell myeloma and occasionally some types of endothelial cells as well.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the CD79a antibody to be titered up or down for optimal performance.

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.

Immunogen

A soluble form of the extracellular IgSF domain from the human protein was used as the immunogen for the CD79a antibody.

Storage

Store the CD79a antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

References (1)

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