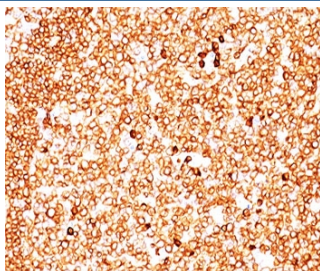


CD79a Antibody Cocktail [clone JCB117 + HM47/A9] (V2080)

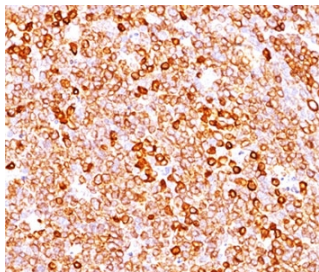
Catalog No.	Formulation	Size
V2080-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2080-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2080SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2080IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

[Bulk quote request](#)

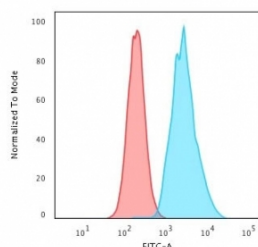
Species Reactivity	Human, Mouse, Rat
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	JCB117 + HM47/A9
Purity	Protein G affinity chromatography
Gene ID	973
Localization	Cell surface, cytoplasmic
Applications	Western Blot : 1-2ug/ml Flow Cytometry : 1-2ug/million 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.



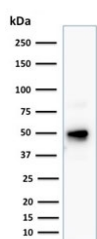
IHC testing of FFPE human tonsil (10X) stained with CD79a antibody cocktail (clone JCB117 + HM47/A9).



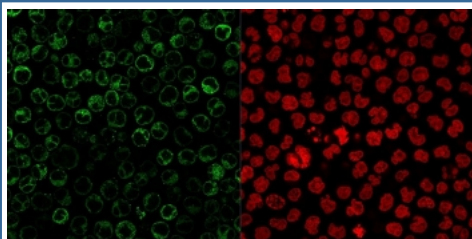
IHC testing of FFPE human tonsil (10X) stained with CD79a antibody cocktail (clone JCB117 + HM47/A9).



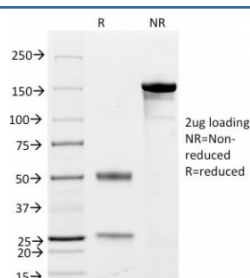
Flow cytometry testing of human Raji cells with CD79a antibody cocktail (clone JCB117 + HM47/A9); Red=isotype control, Blue= CD79a antibody cocktail.



Western blot testing of human Raji cell lysate with CD79a antibody cocktail (clone JCB117 + HM47/A9). Expected molecular weight: 25-47 kDa depending on glycosylation level.



Immunofluorescent staining of PFA-fixed human Raji cells with CD79a antibody cocktail (clone JCB117 + HM47/A9, green) and Reddot nuclear stain (red).



SDS-PAGE analysis of purified, BSA-free CD79a antibody cocktail (clone JCB117 + HM47/A9) as confirmation of integrity and purity.

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. 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. CD79a antibody is generally used to complement CD20 antibody especially for mature B-cell lymphomas after treatment with Rituximab (anti-CD20). This antibody cocktail will stain many of the same lymphomas as CD20 antibody, but also is more likely to stain B-lymphoblastic lymphoma/leukemia than is CD20 antibody. 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 antibody to be titrated up or down for optimal performance.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.
2. 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 synthetic peptide corresponding to aa 202-216 (GTYQDVGSLNIADVQ) of human CD79a protein (JCB117 and HM47/A9) was used as the immunogen for this antibody cocktail.

Storage

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

References (1)