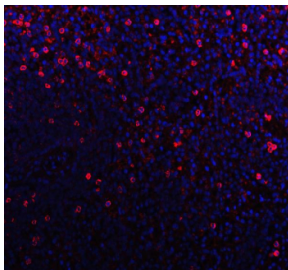


CD79b Antibody (R31586)

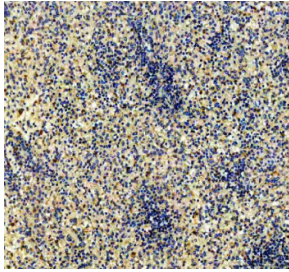
Catalog No.	Formulation	Size
R31586	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

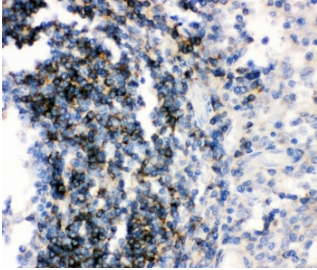
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P40259
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml Immunofluorescence (FFPE) : 5ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This CD79b antibody is available for research use only.



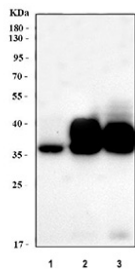
Immunofluorescent staining of FFPE human tonsil tissue with CD79b antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH8 EDTA buffer for 20 min.



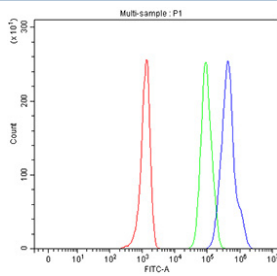
IHC staining of FFPE human spleen tissue with CD79b antibody, HRP-secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human tonsil tissue with CD79b antibody, HRP-secondary and DAB substrate. HIER: boil tissue sections in pH6 citrate buffer for 20 min and allow to cool before testing.



Western blot testing of human 1) Raji, 2) Daudi and 3) Ramos cell lysate with CD79b antibody. Expected molecular weight: 26-39 kDa depending on glycosylation level.



Flow cytometry testing of fixed human Raji cells with CD79b antibody at 1 ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CD79b antibody.

Description

CD79b is a transmembrane protein that forms part of the B-cell receptor (BCR) complex together with CD79a. It plays a critical role in B-cell development, activation, and signaling by transmitting antigen-binding signals from the immunoglobulin receptor into the cell interior. A CD79b antibody is commonly used to study B-cell biology and immune system regulation.

CD79b contains an immunoreceptor tyrosine-based activation motif (ITAM) that recruits downstream kinases upon receptor engagement. Mutations or dysregulation of CD79b have been associated with immunodeficiencies and B-cell malignancies. Employing a CD79b antibody allows researchers to investigate its role in signaling cascades, receptor function, and disease-related alterations.

NSJ Bioreagents provides a validated CD79b antibody for applications such as flow cytometry, western blot, and immunohistochemistry, ensuring high sensitivity and reproducibility in immune-related research.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the CD79b antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 29-229) was used as the immunogen for this CD79b antibody.

Storage

After reconstitution, the CD79b antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.