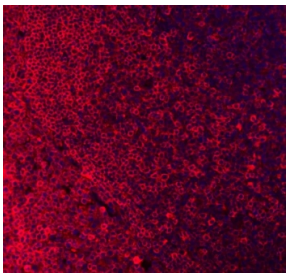
CD79a Antibody (R31585)

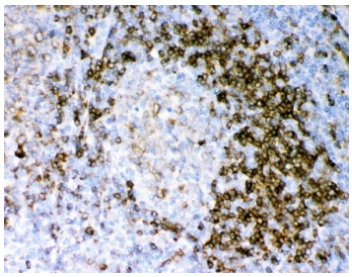
Catalog No.	Formulation	Size
R31585	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

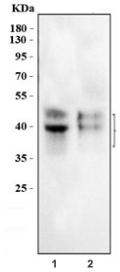
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	973
Localization	Cell surface, cytoplasm
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This CD79a antibody is available for research use only.



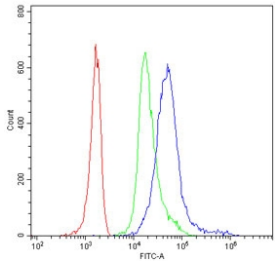
Immunofluorescent staining of FFPE human tonsil tissue with CD79a antibody (red) and DAPI nuclear stain (blue). HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human tonsil tissue with CD79a antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) Daudi and 2) Ramos cell lysate with CD79a antibody. Expected molecular weight: 25~47 kDa depending on glycosylation level.



Flow cytometry testing of human PBM cells with CD79a antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CD79a antibody.

Description

Cluster of differentiation 79A also known as B-cell antigen receptor complex-associated protein alpha chain and MB-1 membrane glycoprotein, is a protein that in humans is encoded by the CD79A gene. It is mapped to 19q13.2. CD79a is a membrane protein with an extracellular immunoglobulin domain, a single span transmembrane region and a short cytoplasmic domain. Genetic deletion of the transmembrane exon of CD79A results in loss of protein and a complete block of B cell development at the pro to pre B cell transition.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the CD79a antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human recombinant partial protein (AA 121-226) was used as the immunogen for this CD79a antibody.

Storage

After reconstitution, the CD79a antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.