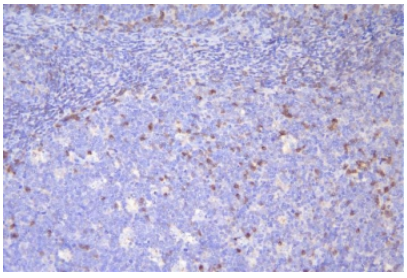
CD79a Antibody [clone 4G4] (RQ5545)

Catalog No.	Formulation	Size
RQ5545	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	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	4G4
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P11912
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This CD79a antibody is available for research use only.



IHC staining of FFPE human tonsil with CD79a antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



Western blot testing of human Raji cell lysate with CD79a antibody. Expected molecular weight: 25-47 kDa depending on glycosylation level.

Description

Cluster of differentiation CD79A 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 CD79A protein and a complete block of B cell development at the pro to pre B cell transition. Similarly, humans with homozygous splice variants in CD79A predicted to result in loss of the transmembrane region and a truncated or absent protein display agammaglobulinemia and no peripheral B cells.

Application Notes

Optimal dilution of the CD79a antibody should be determined by the researcher.

Immunogen

A human recombinant protein (amino acids T121-P226) was used as the immunogen for the 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.

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