

Product datasheet for **CF803156**

CD79A Mouse Monoclonal Antibody [Clone ID: OTI3D3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3D3
Applications:	FC, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human CD79A (NP_001774) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	CD79a molecule
Database Link:	NP_001774 Entrez Gene 973 Human P11912



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Background:

The B lymphocyte antigen receptor is a multimeric complex that includes the antigen-specific component, surface immunoglobulin (Ig). Surface Ig non-covalently associates with two other proteins, Ig-alpha and Ig-beta, which are necessary for expression and function of the B-cell antigen receptor. This gene encodes the Ig-alpha protein of the B-cell antigen component. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]

Synonyms:

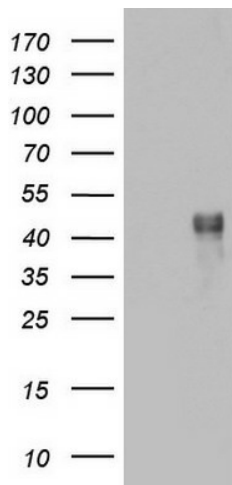
IGA; MB-1

Protein Families:

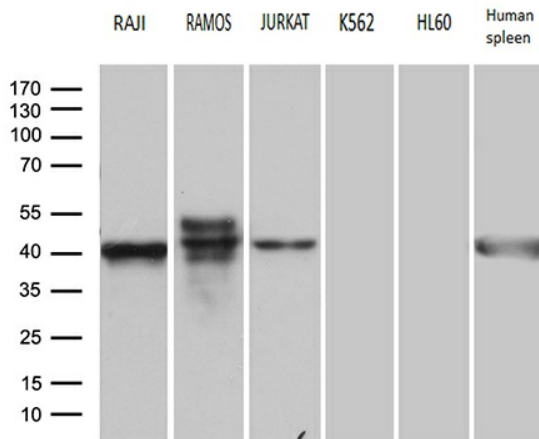
Druggable Genome, Transmembrane

Protein Pathways:

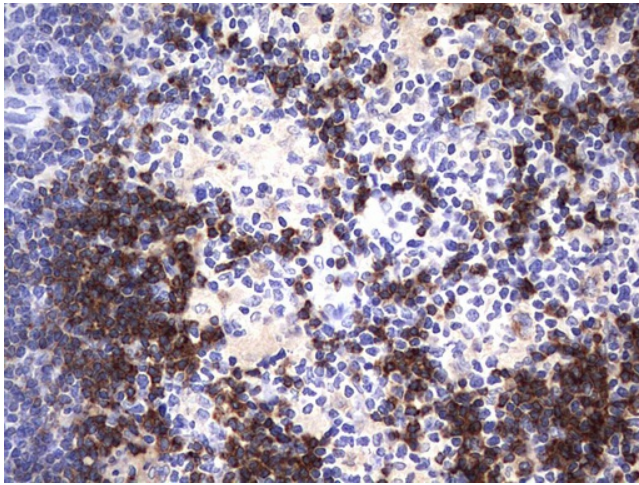
B cell receptor signaling pathway, Primary immunodeficiency

Product images:


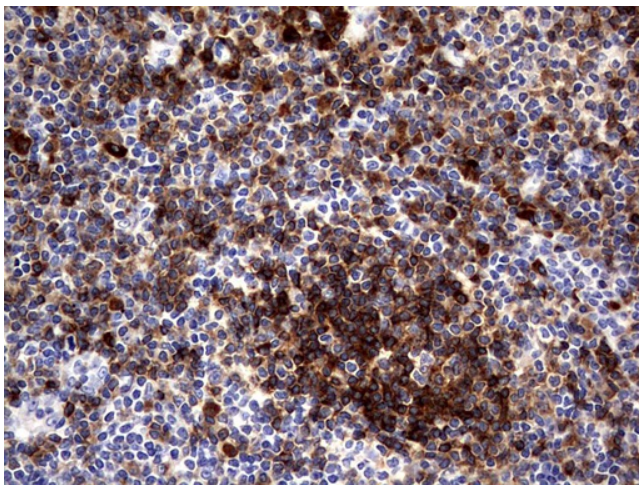
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY CD79A (Cat# [RC220359], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD79A (Cat# [TA803156]). Positive lysates [LY400674] (100ug) and [LC400674] (20ug) can be purchased separately from OriGene.



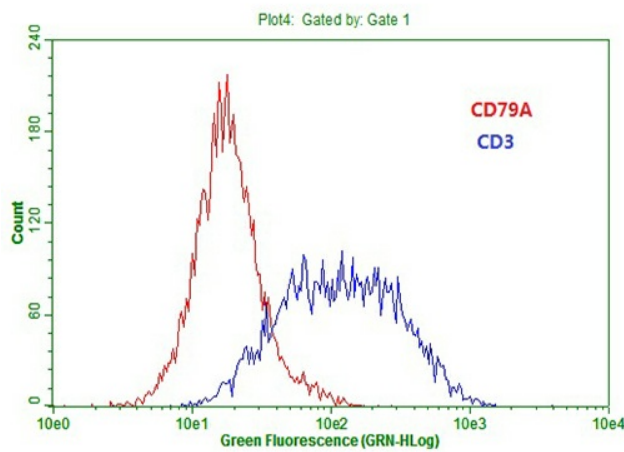
Western blot analysis of extracts (35ug) from 5 different cell lines and human spleen tissue lysate by using anti-CD79A monoclonal antibody (1:500).



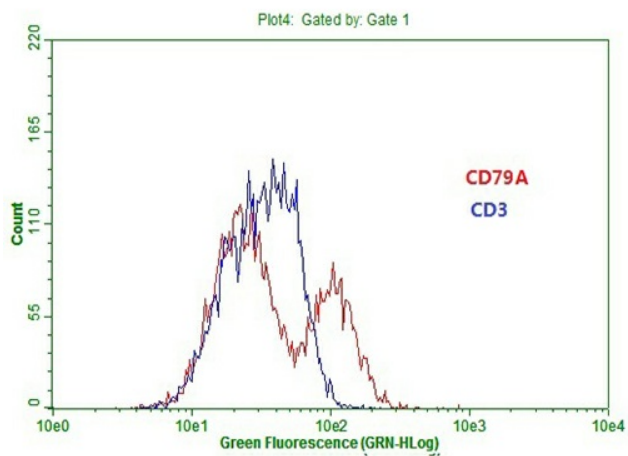
Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-CD79A mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-CD79A mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Flow cytometric Analysis of Jurkat cells, using anti-CD79A antibody ([TA803156]), (Red), compared to anti-CD3 antibody ([TA807198]), (Blue) (1:100).



Flow cytometric Analysis of Ramos cells, using anti-CD79A antibody ([TA803156]), (Red), compared to anti-CD3 antibody ([TA807198]), (Blue) (1:100).