

Product datasheet for **CF810480**

CD79B Mouse Monoclonal Antibody [Clone ID: OTI4E11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4E11
Applications:	FC, IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:2000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human CD79B (NP_001035022) produced in HEK293T.
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:	CD79b molecule
Database Link:	NP_001035022 Entrez Gene 974 Human P40259



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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-beta protein of the B-cell antigen component. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]

Synonyms:

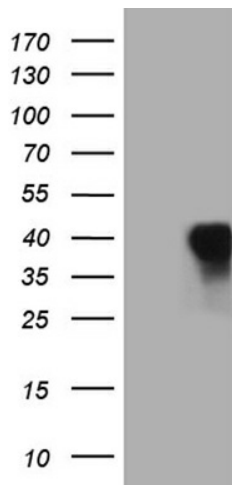
AGM6; B29; IGB

Protein Families:

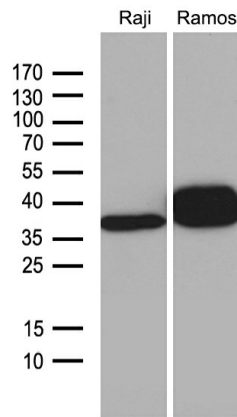
Druggable Genome, Transmembrane

Protein Pathways:

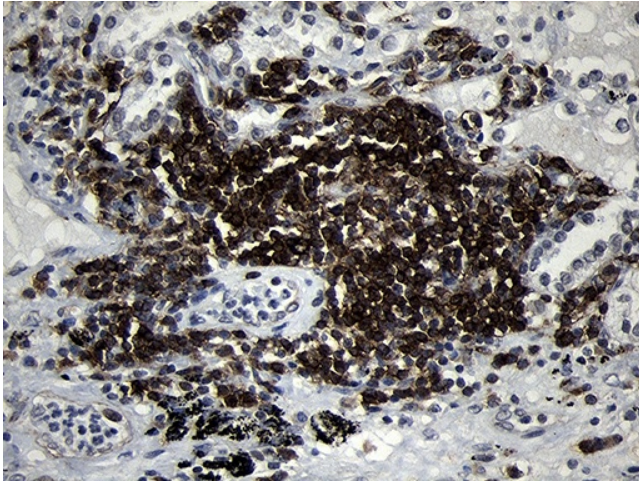
B cell receptor signaling pathway

Product images:


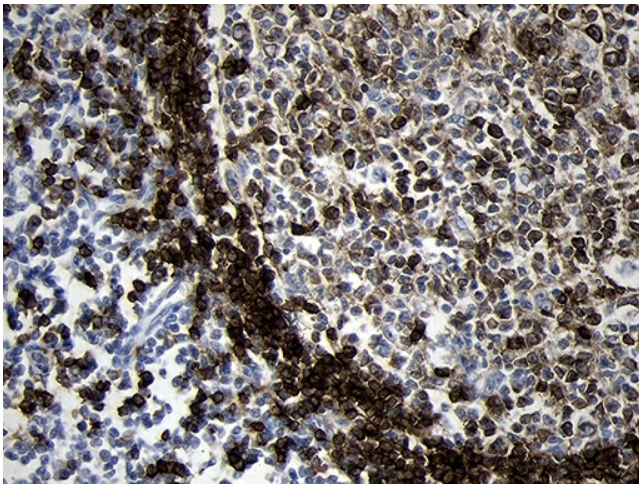
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CD79B ([RC200665], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD79B (1:2000). Positive lysates [LY421857] (100ug) and [LC421857] (20ug) can be purchased separately from OriGene.



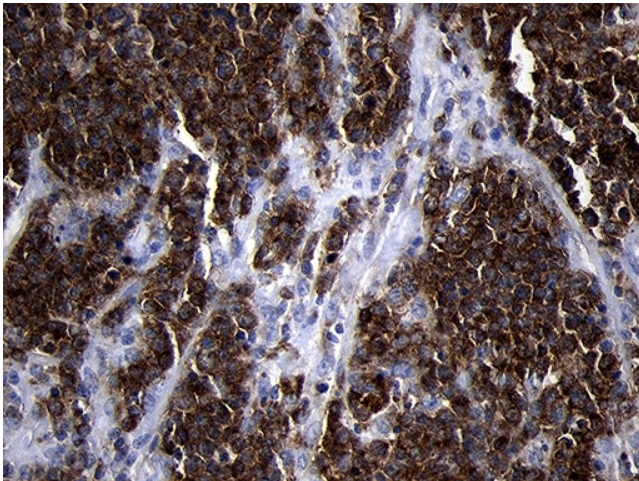
Western blot analysis of extracts (35ug) from 2 different cell lines by using anti-CD79B monoclonal antibody (1:500).



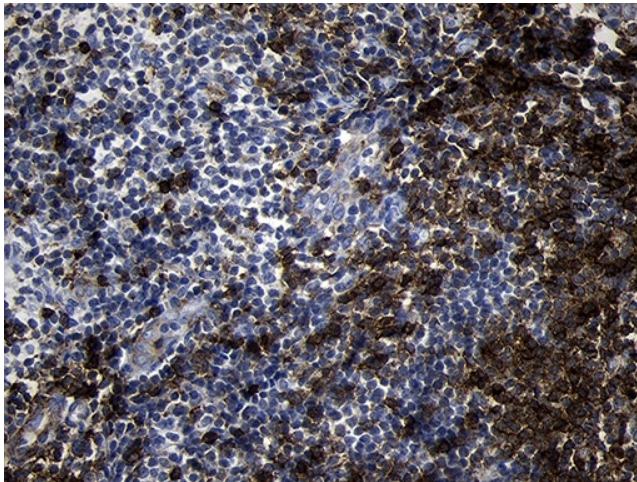
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-CD79B mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA810480]) (1:2000)



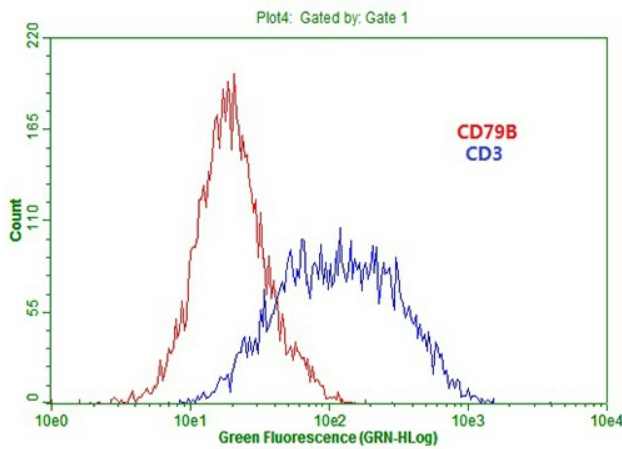
Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-CD79B mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA810480]) (1:2000)



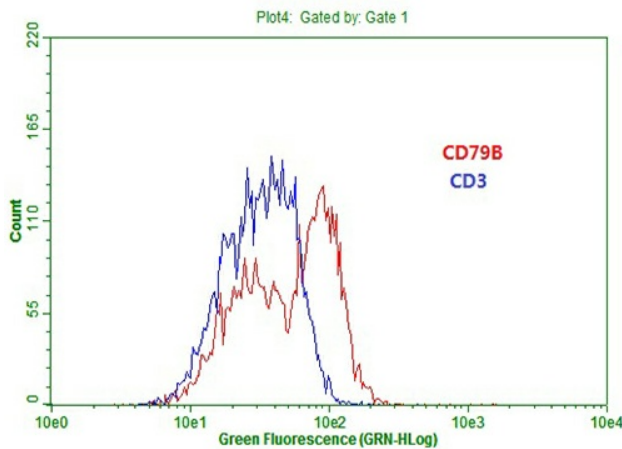
Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-CD79B mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA810480]) (1:2000)



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-CD79B mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA810480]) (1:2000)



Flow cytometric Analysis of Jurkat cells, using anti-CD79B antibody ([TA810480]), (Red), compared to anti-CD3 antibody ([TA807198]), (Blue) (1:100).



Flow cytometric Analysis of Ramos cells, using anti-CD79B antibody ([TA810480]), (Red), compared to anti-CD3 antibody ([TA807198]), (Blue) (1:100).