

Product datasheet for **CF810482**

CD79B Mouse Monoclonal Antibody [Clone ID: OTI9G1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI9G1
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:500
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human CD79B (NP_001035022) 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.
Predicted Protein Size:	23.1 kDa
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:

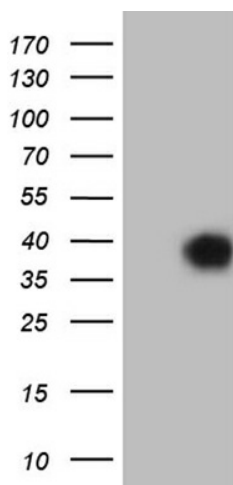
AGM6; B29; IGB

Protein Families:

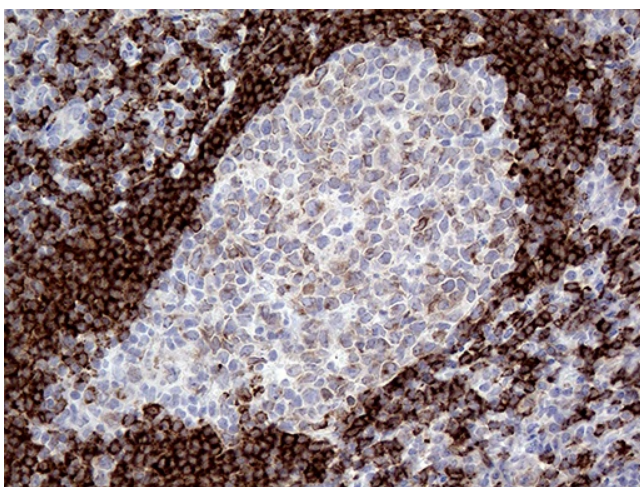
Druggable Genome, Transmembrane

Protein Pathways:

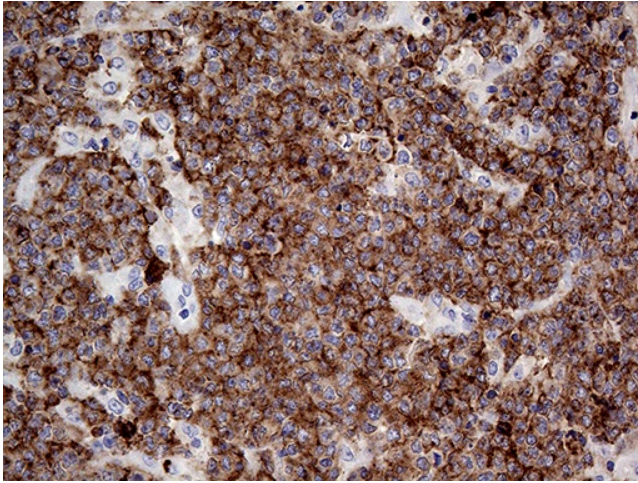
B cell receptor signaling pathway

Product images:


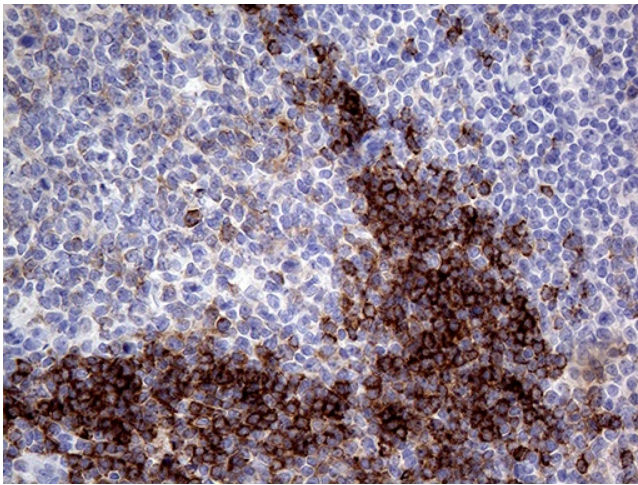
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CD79B ([RC200665], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD79B (1:2000). Positive lysates [LY421857] (100ug)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



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, [TA810482]) (1:500)



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, [TA810482]) (1:500)



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, [TA810482]) (1:500)