

ARG41762
anti-CD79b antibody [CDLA79b-1]Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [CDLA79b-1] recognizes CD79b
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	CDLA79b-1
Isotype	IgG2b, kappa
Target Name	CD79b
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 29-159 of Human CD79b.
Conjugation	Un-conjugated
Alternate Names	B29; B-cell-specific glycoprotein B29; Ig-beta; B-cell antigen receptor complex-associated protein beta chain; Immunoglobulin-associated B29 protein; AGM6; IGB; CD antigen CD79b

Application Instructions

Application table	Application	Dilution
	IHC-P	1 - 2 µg/ml

Application Note
IHC-P: Antigen Retrieval: Boil tissue section in 10 mM Citrate buffer (pH 6.0) for 10-20 min followed by cooling at RT for 20 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

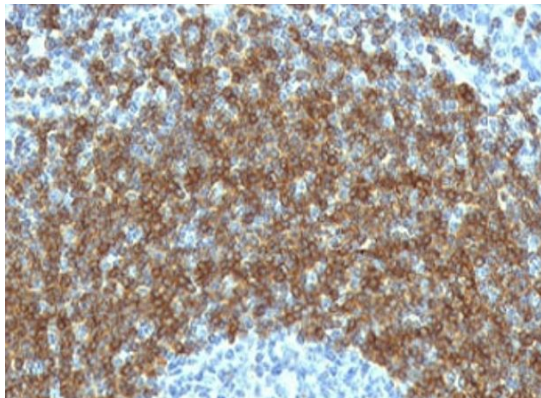
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS, 0.05% Sodium azide and 0.1 mg/ml BSA.
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CD79B
Gene Full Name	CD79b molecule, immunoglobulin-associated beta
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]
Function	Required in cooperation with CD79A for initiation of the signal transduction cascade activated by the B-cell antigen receptor complex (BCR) which leads to internalization of the complex, trafficking to late endosomes and antigen presentation. Enhances phosphorylation of CD79A, possibly by recruiting kinases which phosphorylate CD79A or by recruiting proteins which bind to CD79A and protect it from dephosphorylation. [UniProt]
Calculated Mw	26 kDa
PTM	Phosphorylated on tyrosine upon B-cell activation by SRC-type Tyr-kinases such as BLK, LYN and SYK. [UniProt]
Cellular Localization	Cell membrane; Single-pass type I membrane protein. Note=Following antigen binding, the BCR has been shown to translocate from detergent-soluble regions of the cell membrane to lipid rafts although signal transduction through the complex can also occur outside lipid rafts. [UniProt]

Images



ARG41762 anti-CD79b antibody [CDLA79b-1] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human tonsil tissue. Antigen Retrieval: Boil tissue section in 10 mM Citrate buffer (pH 6.0) for 10-20 min followed by cooling at RT for 20 min. The tissue section was stained with ARG41762 anti-CD79b antibody [CDLA79b-1].