

ARG22095
anti-CD79b antibody [HM79-12] (PE)Package: 50 µg
Store at: 4°C

Summary

Product Description	PE-conjugated Hamster Monoclonal antibody [HM79-12] recognizes CD79b
Tested Reactivity	Ms
Tested Application	FACS, WB
Specificity	Mouse CD79b
Host	Hamster
Clonality	Monoclonal
Clone	HM79-12
Isotype	IgG1
Target Name	CD79b
Species	Mouse
Immunogen	CD79α/CD79β heterodimers purified from Mouse (BALB/c x NZB)F1 B cell lymphoma cells, WEHI231
Conjugation	PE
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
	FACS	< 0.2 µg/10 ⁶ cells
	WB	Assay-dependent

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

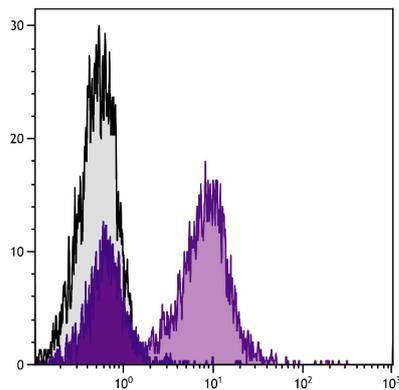
Properties

Form	Liquid
Buffer	PBS, 0.1% Sodium azide and Sucrose.
Preservative	0.1% Sodium azide
Stabilizer	Sucrose
Concentration	0.1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. 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.

Bioinformatics

Database links	GeneID: 15985 Mouse Swiss-port # P15530 Mouse
Gene Symbol	CD79B
Gene Full Name	CD79B antigen
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.

Images



ARG22095 anti-CD79b antibody [HM79-12] (PE) FACS image

Flow Cytometry: C57BL/6 Mouse splenocytes stained with ARG22095 anti-CD79b antibody [HM79-12] (PE).