abcam

Product datasheet

APC Anti-CD79b antibody [CB3-1] ab233258

1 Image

Overview

Product name	APC Anti-CD79b antibody [CB3-1]
Description	APC Mouse monoclonal [CB3-1] to CD79b
Host species	Mouse
Conjugation	APC. Ex: 645nm, Em: 660nm
Tested applications	**Suitable for:** Flow Cyt
Species reactivity	**Reacts with:** Human
Immunogen	Tissue, cells or virus corresponding to Human CD79b. Fraction of Ig-associated molecules isolated from Ramos B cells.
Positive control	Flow Cytometry: Human peripheral blood cells.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Store In the Dark.
Storage buffer	pH: 7.4 Preservative: 0.0975% Sodium azide Constituent: PBS
Purity	Size exclusion
Clonality	Monoclonal
Clone number	CB3-1
Isotype	IgG1

Applications

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab233258 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 10µl for 10^6 cells.

Target

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.

Tissue specificity B-cells.

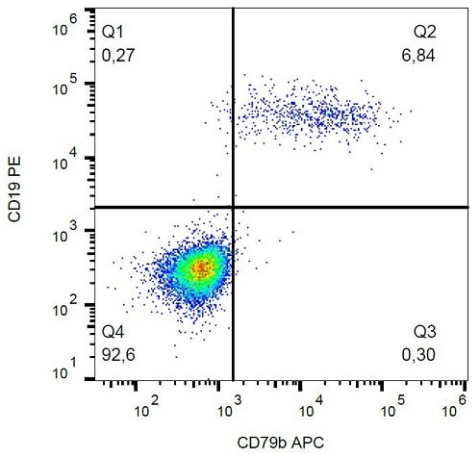
Involvement in disease Defects in CD79B are the cause of agammaglobulinemia type 6 (AGM6) [MIM:612692]. It is a primary immunodeficiency characterized by profoundly low or absent serum antibodies and low or absent circulating B cells due to an early block of B-cell development. Affected individuals develop severe infections in the first years of life.

Sequence similarities Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Contains 1 ITAM domain.

Post-translational modifications Phosphorylated on tyrosine upon B-cell activation.

Cellular localization Cell membrane. 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.

Images



Flow Cytometry - APC Anti-CD79b antibody [CB3-1] (ab233258)

Surface staining of CD79b in human peripheral blood cells with ab233258 (10 µl reagent / 100 µl of whole blood). Gated on leukocytes.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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