# .-online.com antibodies

Datasheet for ABIN6240833 anti-CD1c antibody (APC)

4 Images



### Overview

Quantity:	100 tests
Target:	CD1c (CD1C)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD1c antibody is conjugated to APC
Application:	Flow Cytometry (FACS)

# Product Details

Immunogen:	human thymocytes
Clone:	L161
Isotype:	IgG1 kappa
Specificity:	The mouse monoclonal antibody L161 recognizes an extracellular epitope of CD1c, (R7), a 43 kDa type I glycoprotein associated with beta2-microglobulin. It is expressed on cortical thymocytes (strongly), Langerhans cells, dendritic cells, B and some T cells.
Cross-Reactivity (Details):	Human
Purification:	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN6240833 | 03/06/2024 | Copyright antibodies-online. All rights reserved.

Target:	CD1c (CD1C)
Alternative Name:	CD1c (CD1C Products)
Background:	CD1c molecule,CD1c (also known as R7 or BDCA1) together with CD1a and b, belongs to group 1 of CD1 antigens. These non-classical MHC-like glycoproteins serve as antigen-presenting molecules for a subset of T cells that responds to specific lipids and glycolipids found in the cell walls of bacterial pathogens or self-glycolipid antigens such as gangliosides, and they have also roles in antiviral immunity. The trafficking routes of the particular CD1 types differ and correspond to their ability to bind and present different groups of antigens. CD1c is unique in its ability to present e.g. mycobacterial phosphoketides and polyisoprenoids. CD1c is the only CD1 isoform that has been shown to interact both with alpha/beta and gamma/delta T cells.,R7, BDCA1
Gene ID:	911
UniProt:	P29017
Application Details	
Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 10 μL reagent / 100 μL of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient fo 100 tests.
Comment:	The purified antibody is conjugated with cross-linked Allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Restrictions:	For Research Use only
Handling	
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	The purified antibody is conjugated with cross-linked Allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.

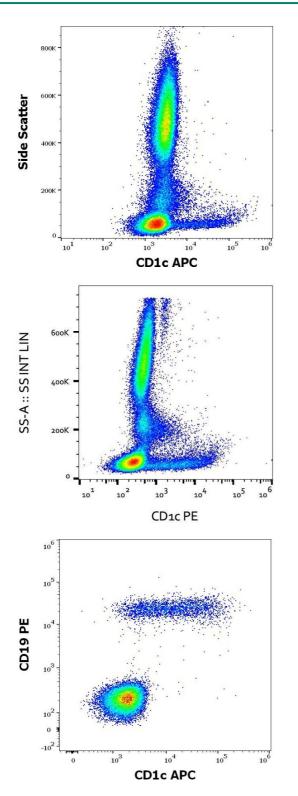
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN6240833 | 03/06/2024 | Copyright antibodies-online. All rights reserved.

## Handling

 Storage:
 4 °C

 Storage Comment:
 Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

#### Images



#### **Flow Cytometry**

**Image 1.** Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD1c (L161) APC antibody (10  $\mu$ L reagent / 100  $\mu$ L of peripheral whole blood).

#### **Flow Cytometry**

**Image 2.** Surface staining of human peripheral blood cells with anti-human CD1c (clone L161) PE.

#### **Flow Cytometry**

**Image 3.** Flow cytometry multicolor surface staining pattern of human lymphocytes using anti-human CD1c (L161) APC antibody (10  $\mu$ L reagent / 100  $\mu$ L of peripheral whole blood) and anti-human CD19 (LT19) PE antibody (20  $\mu$ L reagent / 100  $\mu$ L of peripheral whole blood) antibody.

Please check the product details page for more images. Overall 4 images are available for ABIN6240833.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/3 | Product datasheet for ABIN6240833 | 03/06/2024 | Copyright antibodies-online. All rights reserved.