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# APC Anti-Human CD303/BDCA-2 Antibody[201A]

Catalog Number: E-AB-F1162E

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### Description

Reactivity Human Mouse Host

Isotype Mouse IgG2a, ĸ

Clone No. 201A

APC Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802E] Isotype Control

APC Conjugation

**Conjugation Information** APC is designed to be excited by the Red (627-640 nm) laser and detected using an

optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter).

Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

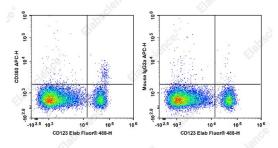
#### **Applications** Recommended usage

**FCM** 

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

### Data



Staining of normal human peripheral blood cells with Anti-Human CD14 APC and Anti-Human CD303/BDCA-2 APC (left) or Mouse IgG2a, κ Isotype Control APC (right). Cells in the monocyte gate were used for analysis.

#### **Preparation & Storage**

Keep as concentrated solution. **Storage** 

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

**Shipping** Ice bag

#### **Antigen Information**

**Alternate Names** BDCA2;CLECSF11;CLECSF7;DLEC;HECL

**Uniprot ID** Q8WTT0 Gene ID 170482

# For Research Use Only

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# Elabscience Bionovation Inc.



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## **Background**

CD303, also known as BDCA-2 and CLEC4C, is a 38 kD type II transmembrane glycoprotein. It is a member of the C-type lectin superfamily. CD303 is expressed by plasmacytoid dendritic cells (pDCs) and is involved in cell adhesion, signaling, and antigen capture and processing. Crosslinking of CD303 inhibits the production of IFN- $\alpha/\beta$  and TLR-9 induced pDCs maturation.

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