

## 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
Host	Mouse
Isotype	Mouse IgG2a, κ
Clone No.	201A
Isotype Control	APC Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802E]
Conjugation	APC
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).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.

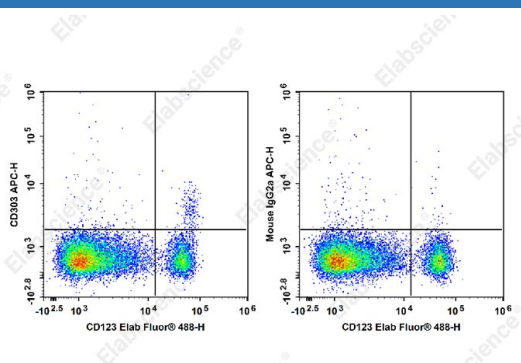
### Applications

### 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

Storage	Keep as concentrated solution. 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

## 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.