

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

Catalog Number: E-AB-F1162C

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

### Description

<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG2a, κ
<b>Clone No.</b>	201A
<b>Isotype Control</b>	FITC Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802C]
<b>Conjugation</b>	FITC
<b>Conjugation Information</b>	FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.

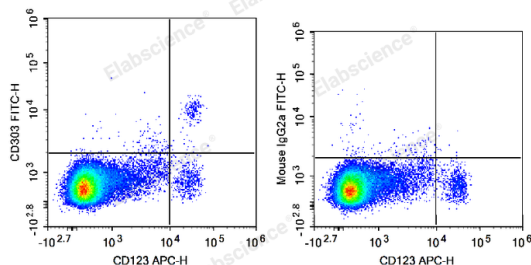
### Applications

### 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



Human peripheral blood mononuclear cells are stained with APC Anti-Human CD123 Antibody and FITC Anti-Human CD303 Antibody (Left). Mononuclear cells are stained with APC Anti-Human CD123 Antibody and FITC Mouse IgG2a, κ Isotype Control (Right).

### Preparation & Storage

<b>Storage</b>	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.
<b>Shipping</b>	Ice bag

### Antigen Information

<b>Alternate Names</b>	BDCA2;CLECSF11;CLECSF7;DLEC;HECL
<b>Uniprot ID</b>	Q8WTT0
<b>Gene ID</b>	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.