

**Alexa Fluor® 700 anti-human CD303 (BDCA-2)**

**Catalog # / Size:** 2371135 / 25 tests  
2371140 / 100 tests

**Clone:** 201A

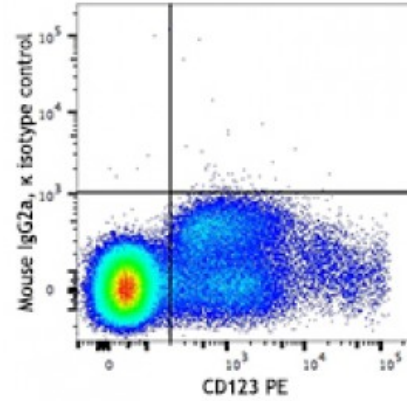
**Isotype:** Mouse IgG2a, κ

**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 700 under optimal conditions.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

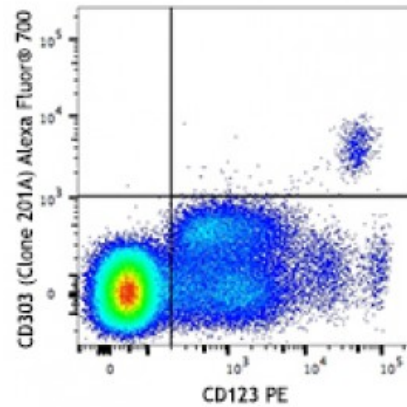
**Concentration:** Lot-specific



**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



\* Alexa Fluor® 700 has a maximum emission of 719 nm when it is excited at 633 nm / 635 nm. Prior to using Alexa Fluor® 700 conjugate for flow cytometric analysis, please verify your flow cytometer's capability of exciting and detecting the fluorochrome.

Human peripheral mononuclear cells were stained with CD123 PE and CD303 (clone 201A) Alexa Fluor® 700 (top) or mouse IgG2a, κ Alexa Fluor® 700 isotype control (bottom). Data shown was gated on lymphocyte and monocyte populations.

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**Description:** 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.

**Antigen**  
**References:**

1. Jähn PS, *et al.* 2010. *Cell Immunol.* 265:15.
2. Graham LM and Brown GD. 2009. *Cytokine* 48:148.
3. Röck J, *et al.* 2007. *Eur. J. Immunol.* 37:3564.
4. Dzionek A, *et al.* 20