

APC/Cyanine7 anti-human CD303 (BDCA-2)

Catalog # / Size: 2371185 / 25 tests
2371190 / 100 tests

Clone: 201A

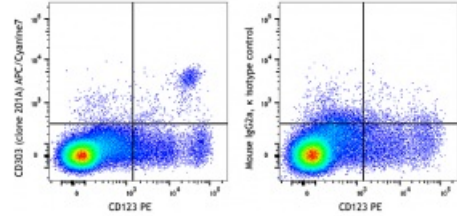
Isotype: Mouse IgG2a, κ

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with APC/Cyanine7 under optimal conditions. The solution is free of unconjugated APC/Cyanine7 and unconjugated antibody.

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

Concentration: Lot-specific



Human peripheral mononuclear cells were stained with with True-Stain Monocyte Blocker™, CD123 PE, and CD303 (BDCA-2) (clone 201A) APC/Cyanine7 (left) or mouse IgG2a, κ APC/Cyanine7 isotype control (right). Data shown was gated on lymphocyte and monocyte populations.

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 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood.

Application References: 1. Freeman A, *et al.* 2014. *PLoS One.* 9:110928. [PubMed](#)
2. Johnson P, *et al.* 2015. *Clin Cancer Res.* 21:1321. [PubMed](#)

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-α/β 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.* 2001. *J. Exp. Med.* 194:1823.