

Alexa Fluor® 488 anti-human CD303 (BDCA-2) Antibody

Catalog# / Size	354229 / 25 tests 354230 / 100 tests
Clone	201A
Regulatory Status	RUO
Other Names	CLEC4C, CLECSF11, CLECSF7, DLEC, HECL
Isotype	Mouse IgG2a, κ
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.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 488 under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration, please enter the lot number in our Concentration and Expiration Lookup or Certificate of Analysis online tools.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
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 or 5 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. * Alexa Fluor® 488 has a maximum emission of 519 nm when it is excited at 488 nm. Alexa Fluor® and Pacific Blue™ are trademarks of Life Technologies Corporation. View full statement regarding label licenses
Excitation Laser	Blue Laser (488 nm)
Application References	1. Freeman A, <i>et al.</i> 2014. <i>PLoS One</i> . 9:110928. PubMed 2. Johnson P, <i>et al.</i> 2015. <i>Clin Cancer Res</i> . 21:1321. PubMed
RRID	AB_2650958 (BioLegend Cat. No. 354229) AB_2650959 (BioLegend Cat. No. 354230)

Antigen Details

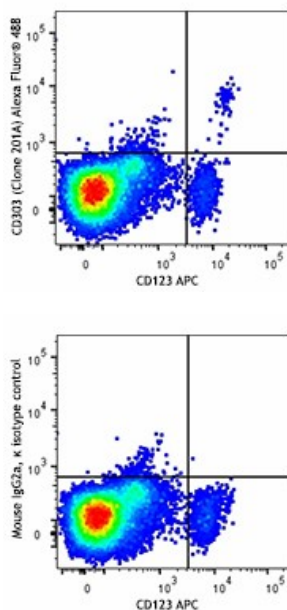
Structure	Type II transmembrane protein, 38 kD, member of the C-type lectin superfamily
Distribution	Plasmacytoid dendritic cells

Function	Antigen capture, inhibition of IFN α/β production
Cell Type	Dendritic cells
Biology Area	Costimulatory Molecules, Immunology, Innate Immunity
Molecular Family	Adhesion Molecules, CD Molecules
Antigen References	<ol style="list-style-type: none"> 1. Jähn PS, <i>et al.</i> 2010. <i>Cell Immunol.</i> 265:15. 2. Graham LM and Brown GD. 2009. <i>Cytokine</i> 48:148. 3. Röck J, <i>et al.</i> 2007. <i>Eur. J. Immunol.</i> 37:3564. 4. Dzionek A, <i>et al.</i> 2001. <i>J. Exp. Med.</i> 194:1823.
Gene ID	170482

Other Formats

APC anti-human CD303 (BDCA-2), Purified anti-human CD303 (BDCA-2), PE anti-human CD303 (BDCA-2), FITC anti-human CD303 (BDCA-2), PerCP/Cyanine5.5 anti-human CD303 (BDCA-2), Brilliant Violet 421™ anti-human CD303 (BDCA-2), PE/Cyanine7 anti-human CD303 (BDCA-2), Purified anti-human CD303 (BDCA-2) (Maxpar® Ready), Alexa Fluor® 647 anti-human CD303 (BDCA-2), Biotin anti-human CD303 (BDCA-2), Brilliant Violet 785™ anti-human CD303 (BDCA-2), Brilliant Violet 605™ anti-human CD303 (BDCA-2), PE/Dazzle™ 594 anti-human CD303 (BDCA-2), Alexa Fluor® 700 anti-human CD303 (BDCA-2), Alexa Fluor® 488 anti-human CD303 (BDCA-2), Brilliant Violet 510™ anti-human CD303 (BDCA-2), Brilliant Violet 711™ anti-human CD303 (BDCA-2), APC/Fire™ 750 anti-human CD303 (BDCA-2), APC/Cyanine7 anti-human CD303 (BDCA-2), TotalSeq™-A0370 anti-human CD303 (BDCA-2), TotalSeq™-C0370 anti-human CD303 (BDCA-2), TotalSeq™-B0370 anti-human CD303 (BDCA-2), TotalSeq™-D0370 anti-human CD303 (BDCA-2)

Product Data



RBC lysed human blood was stained with CD123 APC and CD303 (clone 201A) Alexa Fluor® 488 (top) or mouse IgG2a, κ Alexa Fluor® 488 isotype control (bottom). Data shown was gated on the lymphocyte and monocyte populations.

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