

CD205 Monoclonal Antibody (205yekta), Super Bright™ 436, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Super Bright™ 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	205yekta
Conjugate	Super Bright™ 436
Excitation/Emission Max	413/431 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2637131

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.03 µg/test	-

Product Specific Information

Description: The 205yekta antibody reacts with mouse CD205, also known as DEC-205 (dendritic and epithelial cells, 205 kDa). CD205 is an integral membrane glycoprotein involved in antigen uptake, trafficking and presentation that improves the induction of antigen-specific T cell immunity. CD205 is highly expressed by CD8+ dendritic cells (DCs) and also expressed at different levels by bone marrow Gr1+ cells, Langerhans cells, (BMDC) bone marrow derived DCs and thymic epithelial cells.

CD205 has been shown to bind to PE-Cy5.5 antibody and streptavidin conjugates; therefore, this format should not be used on CD205+ dendritic cells.

Applications Reported: This 205yekta antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 205yekta antibody has been tested by flow cytometric analysis of mouse bone marrow cells. This can be used at less than or equal to 0.03 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

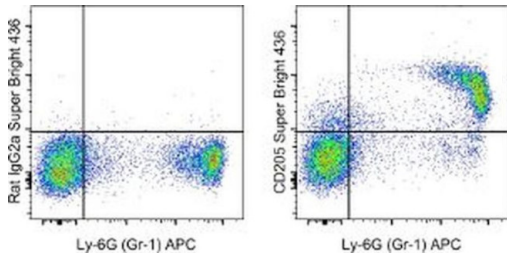
Super Bright 436 can be excited with the violet laser line (405 nm) and emits at 436 nm. We recommend using a 450/50 bandpass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer for more information.

Excitation: 405 nm; Emission: 436 nm; Laser: Violet Laser

Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

Product Images For CD205 Monoclonal Antibody (205yekta), Super Bright™ 436, eBioscience™



CD205 Antibody (62-2051-82) in Flow

Staining of mouse bone marrow cells with Anti-Mouse Ly-6G (Gr-1) APC (Product # 17-5931-82) and 0.015 µg of Rat IgG2a K Isotype Control Super Bright 436 (Product # 62-4321-82) (left) or 0.015 µg of Anti-Mouse CD205 Super Bright 436 (right). Cells in the large scatter population were used for analysis.

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