

CD45RA Monoclonal Antibody (OX33), Super Bright™ 436, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Rat
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Super Bright™ 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	OX33
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_2762735

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	-

Product Specific Information

Description: This OX33 monoclonal antibody reacts with rat CD45RA. In rats, this isoform of CD45, which is also known as leukocyte common antigen, is present only on B cells. CD45 is a type I transmembrane protein tyrosine phosphatase that exists as a variety of different isoforms due to alternative splicing.

Applications Reported: This OX33 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This OX33 antibody has been tested by flow cytometric analysis of rat splenocytes. This can be used at less than or equal to 0.25 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.

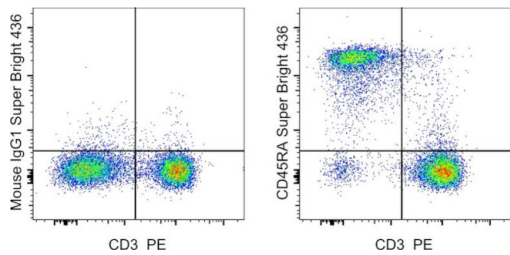
Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222-49) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333-57) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be

made, but clone specific performance should be determined empirically.

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 CD45RA Monoclonal Antibody (OX33), Super Bright™ 436, eBioscience™



CD45RA Antibody (62-0462-82) in Flow

Wistar rat splenocytes were stained with CD3 Monoclonal Antibody, PE (Product # 12-0030-82) and 0.125 µg of Mouse IgG1 kappa Isotype Control, Super Bright 436 (Product # 62-4714-82) (left) or 0.125 µg of CD45RA Monoclonal Antibody, Super Bright 436 (right). Cells in the lymphocyte gate were used for analysis.

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