

CD45R (B220) Monoclonal Antibody (RA3-6B2), Super Bright 436, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Super Bright 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	RA3-6B2
Conjugate	Super Bright 436
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_2734992

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	6 Publications
Flow Cytometry (Flow)	0.5 µg/test	4 Publications

Product Specific Information

Description: The RA3-6B2 monoclonal antibody reacts with exon A-restricted isoform of mouse CD45, a 220 kDa surface molecule. CD45R/B220 epitope is mainly expressed by the B cell lineage from early Pro-B to mature B cells. However, some activated T cells, lymphokine activated killer cells (LAK), NK cell progenitors in the bone marrow, and T cells of the lpr/lpr mutant mouse also express this antigen.

Applications Reported: This RA3-6B2 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This RA3-6B2 antibody has been tested by flow cytometric analysis of mouse splenocytes. This may be used at less than or equal to 0.5 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.

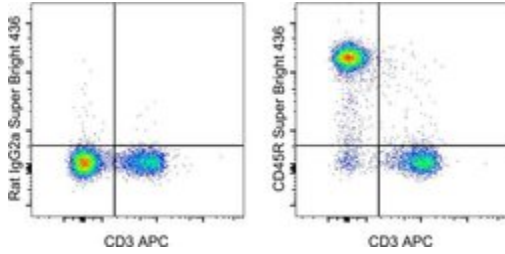
When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet for

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 CD45R (B220) Monoclonal Antibody (RA3-6B2), Super Bright 436, eBioscience™



CD45R (B220) Antibody (62-0452-82) in Flow

Swiss Webster mouse splenocytes were stained with CD3 Monoclonal Antibody, APC (Product # 17-0031-82) and 0.25 µg of Rat IgG2a kappa Isotype Control, Super Bright 436 (Product # 62-4321-82) (left) or 0.25 µg of CD45R Monoclonal Antibody, Super Bright 436 (right). Cells in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.com](http://thermofisher.com)

10 References

Immunohistochemistry (6)

PloS one

High-throughput analysis of lung immune cells in a combined murine model of agriculture dust-triggered airway inflammation with rheumatoid arthritis.

"Published figure using CD45R (B220) monoclonal antibody (Product # 62-0452-82) in Immunohistochemistry"

Authors: Gaurav R,Mikulis TR,Thiele GM,Nelson AJ,Niu M,Guda C,Eudy JD,Barry AE,Wyatt TA,Romberger DJ,Duryee MJ,England BR,Poole JA

Species
Not Applicable

Dilution
Not Cited

Year
2021

Cell death & disease

Hypoxia-induced miR-210 modulates the inflammatory response and fibrosis upon acute ischemia.

"Published figure using CD45R (B220) monoclonal antibody (Product # 62-0452-82) in Immunohistochemistry"

Authors: Zaccagnini G,Greco S,Longo M,Maimone B,Voellenkle C,Fuschi P,Carrara M,Creo P,Maselli D,Tirone M,Mazzone M,Gaetano C,Spinetti G,Martelli F

Species
Not Applicable

Dilution
Not Cited

Year
2021

[View more IHC references on thermofisher.com](#)

Flow Cytometry (4)

Frontiers in immunology

Myeloid Cell CK2 Regulates Inflammation and Resistance to Bacterial Infection.

"Published figure using CD45R (B220) monoclonal antibody (Product # 62-0452-82) in Flow Cytometry"

Authors: Larson SR,Bortell N,Illies A,Crisler WJ,Matsuda JL,Lenz LL

Species
Not Applicable

Dilution
Not Cited

Year
2021

Nature communications

The lysophospholipase D enzyme Gdpd3 is required to maintain chronic myelogenous leukaemia stem cells.

"Published figure using CD45R (B220) monoclonal antibody (Product # 62-0452-82) in Flow Cytometry"

Authors: Naka K,Ochiai R,Matsubara E,Kondo C,Yang KM,Hoshii T,Araki M,Araki K,Sotomaru Y,Sasaki K,Mitani K,Kim DW,Ooshima A,Kim SJ

Species
Not Applicable

Dilution
Not Cited

Year
2020

[View more Flow references on thermofisher.com](#)

More applications with references on thermofisher.com

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