

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

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Published Species	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
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_2734992

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	16 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Immunocytochemistry (ICC/IF)	-	2 Publications
Flow Cytometry (Flow)	0.5 µg/test	26 Publications
Miscellaneous PubMed (Misc)	-	1 Publication

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.

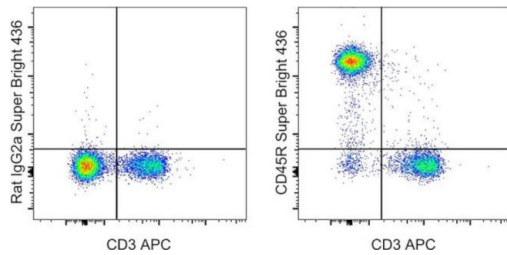
Super Bright 436 can be excited with the violet laser line (405 nm) and emits at 436 nm. We recommend using a 450/50 bandpass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

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](https://www.thermofisher.com)

Immunohistochemistry (16)

Frontiers in immunology

Role of CXCL5 in Regulating Chemotaxis of Innate and Adaptive Leukocytes in Infected Lungs Upon Pulmonary Influenza Infection.

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

Authors: Guo L, Li N, Yang Z, Li H, Zheng H, Yang J, Chen Y, Zhao X, Mei J, Shi H, Worthen GS, Liu L

Year
2022

Cancers

Targeting Ovarian Carcinoma with TSP-1:CD47 Antagonist TAX2 Activates Anti-Tumor Immunity.

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

Authors: Jeanne A, Sarazin T, Charlé M, Moali C, Fichel C, Boulagnon-Rombi C, Callewaert M, Andry MC, Diesis E, Delolme F, Rioult D, Dedieu S

Year
2021

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

Immunohistochemistry (Paraffin) (1)

Pathogens (Basel, Switzerland)

Pituitary Adenylate Cyclase-Activating Polypeptide Alleviates Intestinal, Extra-Intestinal and Systemic Inflammatory Responses during Acute *Campylobacter jejuni*-induced Enterocolitis in Mice.

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

Authors: Heimesaat MM, Mousavi S, Kløve S, Genger C, Weschka D, Tamas A, Reglodi D, Bereswill S

Year
2020

Immunohistochemistry (Frozen) (1)

Science advances

Mechanism of a COVID-19 nanoparticle vaccine candidate that elicits a broadly neutralizing antibody response to SARS-CoV-2 variants.

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

Authors: Zhang YN, Paynter J, Sou C, Fourfouris T, Wang Y, Abraham C, Ngo T, Zhang Y, He L, Zhu J

Year
2021

More applications with references on thermofisher.com

ICC/IF (2) Flow (26) Misc (1)

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