

CD45R (B220) Monoclonal Antibody (RA3-6B2), Alexa Fluor 532, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Alexa Fluor 532, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	RA3-6B2
Conjugate	Alexa Fluor® 532
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_11218492

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	6 Publications
Flow Cytometry (Flow)	0.25 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.

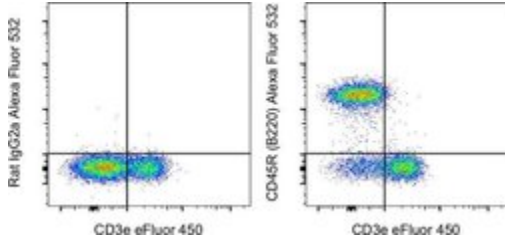
Applications Reported: This RA3-6B2 antibody has been reported for use in flow cytometric analysis.

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 0.25 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.

Alexa Fluor 532 is excited with the Green laser (532 nm) and emits at 561 nm. This cannot be used with the Yellow-Green laser (561 nm). We recommend using a 560/14 band pass filter. Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 532 nm; Emission: 561 nm; Laser: Green Laser

Product Images For CD45R (B220) Monoclonal Antibody (RA3-6B2), Alexa Fluor 532, eBioscience™



CD45R (B220) Antibody (58-0452-82) in Flow

C57BL/6 mouse splenocytes were stained with CD3e Monoclonal Antibody, eFluor 450 (Product # 48-0031-82) and 0.125 µg of Rat IgG2a kappa Isotype Control, Alexa Fluor 532 (Product # 58-4321-80) (left) or 0.125 µg of CD45R (B220) Monoclonal Antibody, Alexa Fluor 532 (right). Cells in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.com](https://www.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 # 58-0452-82) in Immunohistochemistry"

Authors: Gaurav R, Mikuls 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 # 58-0452-82) 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 # 58-0452-82) 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 # 58-0452-82) 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

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More applications with references on thermofisher.com

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