

# CD45R (B220) Monoclonal Antibody (RA3-6B2), FITC, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Published Species	Fish, Mouse, Human
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	RA3-6B2
Conjugate	FITC
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_465054

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	20 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	3 Publications
Immunocytochemistry (ICC/IF)	-	4 Publications
Flow Cytometry (Flow)	0.5 µg/test	166 Publications
ELISA (ELISA)	-	1 Publication
Functional Assay (FN)	-	1 Publication
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.

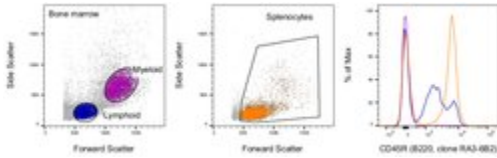
Applications Reported: This RA3-6B2 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This RA3-6B2 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can 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 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

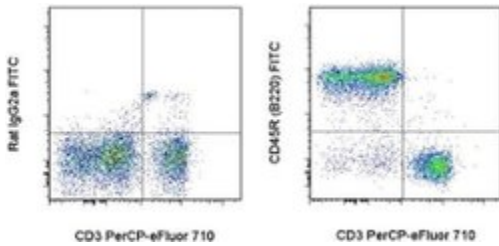
## Advanced Verification Data



### CD45R (B220) Antibody (11-0452-82)

Staining of mouse splenocytes and bone marrow cells. As expected based on known relative expression patterns, CD45R (B220) clone RA3-6B2 stains subsets in both the splenocytes gate and the bone marrow lymphoid gate but not the bone marrow myeloid gate. Details: Balb/c bone marrow cells (left) and splenocytes (middle) were surface stained with CD45R (B220, clone RA3-6B2) followed by staining with 7-AAD. Viable bone marrow cells in the lymphoid (blue histogram) and myeloid (purple histogram) gates and viable splenocytes (orange histogram) were used for analysis. Relative expression validation info.

## Product Images For CD45R (B220) Monoclonal Antibody (RA3-6B2), FITC, eBioscience™



### CD45R (B220) Antibody (11-0452-82) in Flow

Staining of C57Bl/6 splenocytes with Anti-Mouse CD3 PerCP-eFluor® 710 (Product # 46-0032-82) and 0.25 µg of Rat IgG2a K Isotype Control FITC (Product # 11-4321-42) (left) or 0.25 µg of Anti-Human/Mouse CD45R (B220) FITC (right). Cells in the lymphocyte gate were used for analysis.

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## Immunohistochemistry (20)

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 # 11-0452-82) 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 # 11-0452-82) 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](#)

## Immunohistochemistry (Paraffin) (2)

European journal of microbiology & immunology

### Anti-inflammatory Effects of the Octapeptide NAP in Human Microbiota-Associated Mice Suffering from Subacute Ileitis.

"Published figure using CD45R (B220) monoclonal antibody (Product # 11-0452-82) in Immunohistochemistry (Paraffin)"

Authors: Escher U,Giladi E,Dunay IR,Bereswill S,Gozes I,Heimesaat MM

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2018

Neoplasia (New York, N.Y.)

### Targeting Liver Cancer and Associated Pathologies in Mice with a Mitochondrial VDAC1-Based Peptide.

"11-0452 was used in Immunohistochemistry on paraffin embedded tissues-immunofluorescence to show that the voltage-dependent anion channel-based peptide R-Tf-D-LP4 has multiple effects on liver cancer cells."

Authors: Pittala S,Krelin Y,Shoshan-Barmatz V

**Species**  
Mouse

**Dilution**  
1:300

**Year**  
2018

## More applications with references on thermofisher.com

IHC (F) (3)

ICC/IF (4)

Flow (166)

ELISA (1)

FN (1)

Misc (1)

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