

# CD45.2 Monoclonal Antibody (104), FITC, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Fish, Mouse, Human
Host/Isotype	Mouse / IgG2a, kappa
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	104
Conjugate	FITC
Excitation/Emission Max	498/517 nm
Form	Liquid
Concentration	0.5 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_465061

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Immunohistochemistry (IHC)	-	5 Publications
Immunocytochemistry (ICC/IF)	-	2 Publications
Flow Cytometry (Flow)	0.5 µg/test	131 Publications

## Product Specific Information

**Description:** The 104 monoclonal antibody reacts with the mouse CD45 molecule, the leukocyte common antigen (LCA) in CD45.2-expressing mouse strains. The strains that express CD45.2 include the most commonly used mouse strains C57BL/6, BALB/c, C58, DBA/1, DBA/2, C3H/He, CBA, 129, A and AKR. CD45.2 is expressed by all leukocytes in these strains.

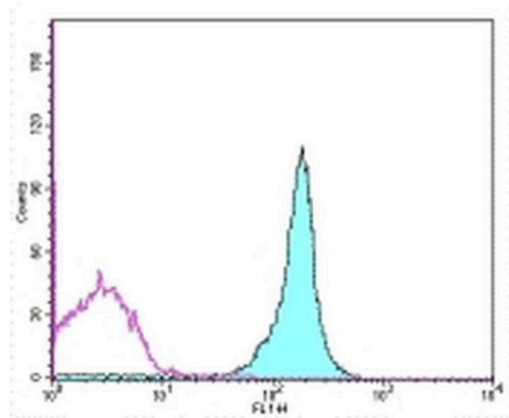
**Applications Reported:** The 104 antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** The 104 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.

Product Images For CD45.2 Monoclonal Antibody (104), FITC, eBioscience™



**CD45.2 Antibody (11-0454-82) in Flow**  
Staining of BALB/c splenocytes with 0.25 µg of Mouse IgG2a K Isotype Control FITC (Product # 11-4724-42) (open histogram) or 0.25 µg of Anti-Mouse CD45-2 FITC (filled histogram). Total viable cells were used for analysis.

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[139 References](#)

Western Blot (1)

<p><b>Molecular biology of the cell</b></p> <p><b>PIK1 regulates activation of the anaphase promoting complex by phosphorylating and triggering SCFbetaTrCP-dependent destruction of the APC Inhibitor Emi1.</b></p> <p>"Published figure using CD45.2 monoclonal antibody (Product # 11-0454-82) in Western Blot"</p> <p>Authors: Hansen DV,Loktev AV,Ban KH,Jackson PK</p>	<p><b>Year</b> 2004</p> <p><b>Species</b> Human</p>
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Immunohistochemistry (5)

<p><b>Molecular medicine reports</b></p> <p><b>Aggravation of hepatic ischemiareperfusion injury with increased inflammatory cell infiltration is associated with the TGF/Smad3 signaling pathway.</b></p> <p>"Published figure using CD45.2 monoclonal antibody (Product # 11-0454-82) in Immunohistochemistry"</p> <p>Authors: Li H,Shen X,Tong Y, Ji T,Feng Y,Tang Y,Mai R,Ye J,Que T,Luo X</p>	<p><b>Year</b> 2021</p>
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<p><b>Journal of neuroinflammation</b></p> <p><b>Elimination of intravascular thrombi prevents early mortality and reduces gliosis in hyper-inflammatory experimental cerebral malaria.</b></p> <p>"Published figure using CD45.2 monoclonal antibody (Product # 11-0454-82) in Immunofluorescence"</p> <p>Authors: Wilson KD,Ochoa LF,Solomon OD,Pal R,Cardona SM,Carpio VH,Keiser PH,Cardona AE,Vargas G,Stephens R</p>	<p><b>Year</b> 2018</p>
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[View more IHC references on thermofisher.com](#)

Immunocytochemistry (2)

The onset of circulation triggers a metabolic switch required for endothelial to hematopoietic transition.

"11-0454-82 was used in Immunocytochemistry-immunofluorescence to investigate how and when the onset of circulation affects Hematopoietic stem cells emergence."

Authors: Azzoni E,Frontera V,Anselmi G,Rode C,James C,Deltcheva EM,Demian AS,Brown J,Barone C,Patelli A, Harman JR,Nicholls M,Conway SJ,Morrissey E,Jacobsen SEW,Sparrow DB,Harris AL,Enver T,de Bruijn MFTR

More applications with references on thermofisher.com

Flow (131)

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