CD45 Monoclonal Antibody (30-F11), APC, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	30-F11
Conjugate	APC
Excitation/Emission Max	651/660 nm
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_469392

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	0.125 µg/test	131 Publications
Immunoprecipitation (IP)	-	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

Description: The 30-F11 monoclonal antibody reacts with all isoforms of mouse CD45, also known as Leukocyte Common Antigen (LCA). CD45 is expressed by all hematopoietic cells excluding mature erythrocytes and platelets. The cytoplasmic portion of CD45 has tyrosine phosphatase enzymatic activity and plays an important role in activation of lymphocytes.

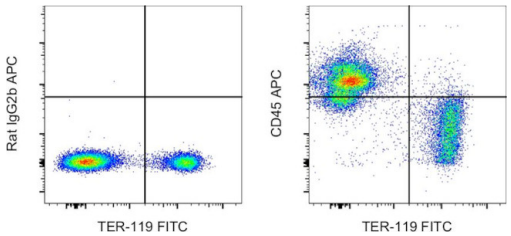
Applications Reported: The 30-F11 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The 30-F11 antibody has been tested by flow cytometric analysis of mouse bone marrow cells and splenocytes. This can be used at less than or equal to 0.125 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD45 Monoclonal Antibody (30-F11), APC, eBioscience™



CD45 Antibody (17-0451-82) in Flow
C57BL/6 mouse bone marrow cells were stained with TER-119 Monoclonal Antibody, FITC (Product # 11-5921-82) and 0.06 µg of Rat IgG2b kappa Isotype Control, APC (Product # 17-4031-82) (left) or 0.06 µg of CD45 Monoclonal Antibody, APC (right). Total viable cells were used for analysis.

137 References

Immunohistochemistry (1)

Nature communications

Genetic fate-mapping reveals surface accumulation but not deep organ invasion of pleural and peritoneal cavity macrophages following injury.

"17-0451-82 was used in Flow Cytometry to report a dual recombinase-mediated genetic system designed to trace cavity macrophages in vivo by intersectional detection of two characteristic markers."

Authors: Jin H,Liu K,Tang J,Huang X,Wang H,Zhang Q,Zhu H,Li Y,Pu W,Zhao H,He L,Li Y,Zhang S,Zhang Z,Zhao Y, Qin Y,Pflanz S,Kasmi KEI,Zhang W,Liu Z,Ginhoux F,Ji Y,He B,Wang L,Zhou B

Year 2021

Species Mouse

Dilution 1:400

Immunohistochemistry (Frozen) (2)

Journal of neuroinflammation

CRID3, a blocker of apoptosis associated speck like protein containing a card, ameliorates murine spinal cord injury by improving local immune microenvironment.

"17-0451-83 was used in Immunohistochemistry (Frozen) to study the effect of CRID3 on the local microenvironment and the possible role in neuroprotection following spinal cord injury."

Authors: Chen YQ,Wang SN,Shi YJ,Chen J,Ding SQ,Tang J,Shen L,Wang R,Ding H,Hu JG,Lü HZ

Year 2020

Species Mouse

Dilution 1:200

Proceedings of the National Academy of Sciences of the United States of America

Three chemokine receptors cooperatively regulate homing of hematopoietic progenitors to the embryonic mouse thymus.

"17-0451 was used in Immunohistochemistry on frozen tissues to show that chemotaxis is the key mechanism regulating thymus homing in the mouse embryo."

Authors: Calderón L,Boehm T

Year 2011

Species Mouse

Immunocytochemistry (1)

EBioMedicine

A liquid biopsy for detecting circulating mesothelial precursor cells: A new biomarker for diagnosis and prognosis in mesothelioma.

"17-0451-83 was used in Immunocytochemistry to show the clinical significance of detecting MPC in blood for early-stage diagnosis and prognosis of mesothelioma."

Authors: Duong BTV,Wu L,Green BJ,Bavaghar-Zaeimi F,Wang Z,Labib M,Zhou Y,Cantu FJP,Jeganathan T,Popescu S, Pantea J,de Perrot M,Kelley SO

Year 2020

Species Mouse

More applications with references on thermofisher.com

Flow (131) **IP (1)** **Misc (1)**

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