

# 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
Form	Liquid
Concentration	0.2 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_469392

Applications	Tested Dilution	Publications
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	0.125 µg/test	102 Publications
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.

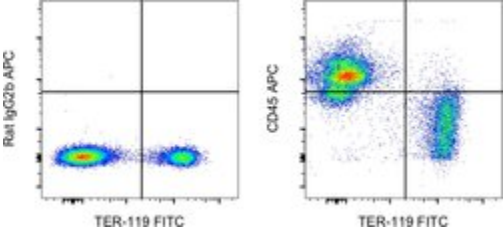
**Applications Reported:** The 30-F11 antibody has been reported for use in flow cytometric analysis.

**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<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:** 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.

## 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

**Species**  
Mouse

**Dilution**  
1:200

**Year**  
2020

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

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2011

## 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 BTW,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

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2020

## Flow Cytometry (102)

Theranostics

### Therapeutic effects of dihydroartemisinin in multiple stages of colitis-associated colorectal cancer.

"17-0451 was used in Flow cytometry/Cell sorting to indicate that DHA could be a potent agent in managing the initiation and development of CAC without obvious side effects, warranting further clinical translation of DHA for CAC treatment."

Authors: Bai B,Wu F,Ying K,Xu Y,Shan L,Lv Y,Gao X,Xu D,Lu J,Xie B

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2021

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

## More applications with references on thermofisher.com

### Misc (1)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.