

# CD45 Monoclonal Antibody (30-F11), FITC, eBioscience™

Product Details	
Size	500 µg
Species Reactivity	Mouse
Published Species	Rabbit, Rat, Mouse, Human, Horse
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	30-F11
Conjugate	FITC
Excitation/Emission Max	498/517 nm
Form	Liquid
Concentration	0.5 mg/mL
Amount	500 µg
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_465051

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Immunohistochemistry (IHC)	-	43 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Immunohistochemistry (PFA fixed) (IHC (PFA))	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	6 Publications
Immunocytochemistry (ICC/IF)	-	11 Publications
Flow Cytometry (Flow)	0.5 µg/test	447 Publications
Miscellaneous PubMed (Misc)	-	3 Publications

## 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.

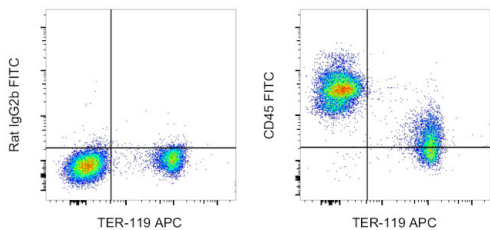
**Applications Tested:** The 30-F11 antibody has been tested by flow cytometric analysis of mouse bone marrow cells. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in

a final volume of 100  $\mu$ L. 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: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2  $\mu$ m post-manufacturing filtered.

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



### CD45 Antibody (11-0451-85) in Flow

C57BL/6 mouse splenocytes were stained with TER-119 Monoclonal Antibody, APC (Product # 17-5921-82) and 0.125  $\mu$ g of Rat IgG2b kappa Isotype Control, FITC (Product # 11-4031-85) (left) or 0.125  $\mu$ g of CD45 Monoclonal Antibody, FITC (right). Cells in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.com](https://www.thermofisher.com)

Western Blot (1)

Biomedicines

**Early Adolescence Prefrontal Cortex Alterations in Female Rats Lacking Dopamine Transporter.**

"Published figure using CD45 monoclonal antibody (Product # 11-0451-82) in Western Blot"  
 Authors: Illiano P,Leo D,Gainetdinov RR,Pardo M

Year  
2021

Immunohistochemistry (43)

Cell death & disease

**Sensing of endogenous retroviruses-derived RNA by ZBP1 triggers PANoptosis in DNA damage and contributes to toxic side effects of chemotherapy.**

"11-0451 was used in Immunohistochemistry-immunofluorescence to indicate that Z-DNA binding protein 1-mediated PANoptosis is activated by DNA damage and contributes to the toxic side effects of DNA-damage-based chemotherapy."  
 Authors: Wang F,Li K,Wang W,Jiang H,He J,Cai J,Ren W,Zhao Y,Song Q,He Y,Ma Y,Feng X,Liu Y,Yu J,Jitkaew S,Ma D,Cai Z

Year  
2024

Species  
Mouse

Dilution  
1:100

Cancer research communications

**Toll-like Receptor Signaling-deficient Cells Enhance Antitumor Activity of Cell-based Immunotherapy by Increasing Tumor Homing.**

"Published figure using CD45 monoclonal antibody (Product # 11-0451-82) in Immunohistochemistry"  
 Authors: Morales-Molina A,Rodriguez-Milla MÀ,Gambera S,Cejalvo T,de Andrés B,Gaspar ML,García-Castro J

Year  
2023

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

Immunohistochemistry (Paraffin) (1)

The Journal of clinical investigation

**GPR92 activation in islet macrophages controls cell function in a diet-induced obesity model.**

"11-0451-82 was used in Immunohistochemistry (Paraffin) and Flow Cytometry to suggest that GPR92 can be a potential target to alleviate cell dysfunction via the inhibition of islet inflammation associated with the progression of diabetes."  
 Authors: de Souza CO,Paschoal VA,Sun X,Vishvanath L,Zhang Q,Shao M,Onodera T,Chen S,Joffin N,Bueno LM,Gupta RK,Oh DY

Year  
2022

Species  
Mouse

More applications with references on thermofisher.com

IHC (PFA) (1)

IHC (F) (6)

ICC/IF (11)

Flow (447)

Misc (3)

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